

Chemical Week INDEX

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**McGRAW-HILL, INC.
330 West 42nd Street — New York, New York 10036**

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Olin's Omalon carpet gets a going over	N	Sept	23	18
Cartwright, Frederick — Pacific Vegetable Oil's board chairman: An outspoken entrepreneur	N	Dec	23	48
Casting — Water cooling of blow PP film can cut 12.5% off the cost of conventional casting	N	Sept	2	89
Catalysts				
Autos' nitrogen oxide emissions will be reduced 90% with new nickel-copper alloy catalyst	N	Oct	21	88
CO ₂ initiation: secret to successful nylon-4 polymerization	N	Sept	16	67
Chemcell's plant completes partial conversion to methanol catalyst	N	Sept	9	55
Dart Industries files judgment on Ziegler patent in battle over polypropylene catalysts	N	Aug	5	69
Enzymes: insight into how enzymes may work as catalysts obtained by Univ. of Calif.'s D.E. Koshland, Jr.	N	July	1	39
Ford's '71 model equipped with a dual-bed catalytic converter	N	Dec	16	60
Japan's Teijin sells rights to polymerization catalyst to ICI	N	July	8	39
Peroxy initiators reduce cycle times in polymerization	N	Aug	5	53
Rhodia's new route to fragrances: catalytic reactions convert isoprene to terpene chemicals	N	Nov	18	109
Waste treatment system uses multistage flash distillation to recycle catalysts	N	Aug	5	51
Caustic Soda				
AKZO plans new heavy-soda plant	N	Oct	21	73
Canada's caustic soda needs pose problems for chlor-alkali makers (table)	N	Sept	9	43
Japanese trial operation at Mitsubishi's ethylene center in Kashima	R	July	8	34
Liquid caustic prices	N	Dec	9	41
Mexican electrolysis chlorine-caustic plant	R	July	8	33
PPG will double chlorine-caustic capacity at Lake Charles, La.	N	Sept	30	11
Prices N Sept 9 41	N	Sept	16	24
Shortage causes price increases	N	Dec	9	41
Trend is up for chemical prices	N	July	15	32
Waste reprocessing: doomed by lead-free gas? Process changes at refineries may hurt profitable spent caustic to cresylic reprocessing	N	Dec	23	33
World caustic is tight as demand grows in developing countries (table)	N	Nov	4	22
Cellulose				
Du Pont will provide technology to Yugoslavia's Viskoz-Loznica for the production of cellulose film	N	Nov	25	32
ITT Rayonier's Jesup, Ga., chemical cellulose complex expansion	N	Dec	9	7
Phrix's cellulosic fiber operations may close due to low profitability	N	Aug	12	15
Polymer Materials will double cellulosic molding and extrusion compounds capacity	R	Oct	21	26
Silvchem process updates old idea, could turn wood waste into a major raw material for sorbitol and other chemicals	N	July	29	30
Vapor-phase unit to impart permanent press to cellulosics and synthetic-cellulosic blends in garments	N	Nov	11	43
Centrifuges — report, Kenneth Brooks	N	Sept	16	33
Ceramics				
Glass ceramics offered by Corning	N	Oct	14	42
Norton Co. licenses high-density silicon nitride from J. Lucas, Ltd.	N	Dec	23	23
Cereals — Choate, R. Jr. criticizes nutritional value of breakfast cereals; industry will launch defense of products and advertising practices	N	Aug	5	59
Senate investigation (table)	N	Aug	19	27
Hearings on need for nutritional fortification of processed foods and federal standards for such products	N	Sept	2	32
Cereal makers defend products	N	Sept	30	16
Chemical Marketing Research Assn.				
Delphic study predictions	N	Nov	25	21
Meeting — letter	N	Dec	9	5
Chemical Plant Engineering Exhibition — Fifth annual: Chemshow Japanese style	N	Sept	30	28
Chemical Specialties Manufacturers Assn. — Meeting: Dow's process to bring soluble phosphorus into suspension	N	Dec	23	16
Chemical Warfare — Armed Services will continue with their defoliation program in Vietnam	N	Sept	2	26

"CHEMICAL WEEK"

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American beauty: a \$4.6-billion market in cosmetics, toiletries, Patricia L. Layman (tables)	Oct	21	54
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Plant sites, J.M. Winton (charts, tables & maps)	Aug	19	51
Propylene — Oxirane direct-oxidation-propylene and pollution — letter	July	15	16
Chemistry-70 Exhibition — Moscow's show: Japanese, West and East Germans plan large exhibits, but U.S. participation will still be light	Aug	26	29
Show has moderate attendance	N	Sept	23
Show chalks up \$2 million in sales	Sept	30	26

Chile

Foreign investments may be in jeopardy as Allende vows to nationalize basic industries	Oct	21	77
Yoo-Hoo's high-protein beverage plant in Santiago onstream	R Dec	16	18

China, Communist

Canada establishes diplomatic relations, recognizes Communist China	N	Oct	21	73
Fertilizer imports from Japan	N	Sept	9	56
Japanese fertilizer producers bow to Chinese Communist demands		July	22	38

China, Nationalist

German Remedies Taiwan joint drug-making venture	R	Dec	2	52
Japan's Komachi will import UC's Dynel and turn out about 200,000 hairpieces/month		Dec	2	20
Methanol plant at Miaoli	R	Nov	18	74
Petrochemicals getting top priority (map)		Oct	21	77
VCM plant near Toulon	R	July	29	26
Chlorination — Udylyte's chlorination method to remove cyanide ions from plating wastes		Dec	16	54

Chlorine

AKZO will increase production and build a new heavy-soda plant	N	Oct	21	73
Brink mist eliminators can recover mercury from the hydrogen streams of mercury cell caustic chlorine plants	N	Dec	9	50
Canada's caustic soda needs pose problems for chlor-alkali makers (table)				
Contract bids may develop into a federal case for the six companies that submitted identical bids	N	Sept	9	43
Germany: Bayer starts up plant at Dormagen		July	8	9
Mercury discharges face tighter limits as U.S. moves to ban discharges by industry in 17 states		Nov	4	56
Mexican electrolysis chlorine-caustic plant		July	22	35
PPG will double chlorine-caustic capacity at Lake Charles, La.	R	July	8	33
Prices: N Sept 9 41	N	Sept	30	11
Sweden will boost output	N	Aug	5	79

Chloromethane

Dow plans expansion at Plaquemine, La. plant	R	July	29	15
Solvay plans plant at Tavaux, France complex	R	July	22	38
Japanese plants under construction	R	Dec	16	39
Cholesterol — Michigan biochemists suggest new way to kill insects: Starve them of cholesterol	N	Dec	16	60
Chromatography — NL&T's Labrecque describes the use of paper chromatography to identify dyes at AATCC conference		Nov	11	23
Chrome — Rhodesia's chrome ore problem may be eased	N	July	1	10
Cigarettes — Nader, R. says toxic inorganic additives being used to make popular priced cigars, cigarillos and maybe cigarettes	N	Oct	7	14
Cleaners — Henkel licenses technology to produce a floor cleaning and polishing emulsion called Tuklar to the Russians	N	July	15	73
Cleindamycin — Upjohn selling		Aug	19	26
Cleocin				

Coal

Asarco will buy four Illinois coal mines from Peabody Coal	N	Aug	5	1
COED pilot plant in Princeton, N.J., dedicated by FMC	N	Oct	21	
Columbia Coal Gasification Corp. set up to develop a low-cost, direct substitute for natural gas from coal	N	Dec	23	2
Gasification to make pipeline gas has come in the U.S. says IGT's H. Linden	N	Dec	23	2
Interior Dept. plans to phase out coal research next year	N	July	1	1
Kentucky envisions commercial plants for coal-to-gas conversion		Oct	28	2
Pittsburgh pilot plant will test new way to get sulfur out of coal	N	July	15	7
Research on converting coal into liquids	N	Oct	21	8
Shortage chills chemical profit hopes (charts)		Oct	21	

(N Newsletter, R Roundup.)

Environment

AIChE's 63rd annual meeting. Pollution ideas draw blast	Dec	9	12
Can aerospace industry know-how lick the pollution control problems?			
Conflicting answers	N Dec	2	14
Canadians are warned to expect less from pesticide performance	Sept	30	37
Council on Environmental Quality's first annual report	N Aug	19	18
Dow says that all future process units built at Midland, Mich., will be closed systems	N Sept	30	31
Duval discloses pollution-free, hydro-metallurgical system of processing copper ore concentrates	Aug	12	12
Ecoto-G, ecological detergent a washout?	Sept	30	14
Ecology faction presses for more restrictions on uses, but demand for pesticides continues to grow rapidly	Aug	5	21
Ecology favor sparks refinery building boom; could put pinch on aromatics, propylene (table)	Nov	25	11
'Ecology power' is turning off electric power: rates must rise to improve reliability	Aug	19	21
Election '70: voters in industrial states may impose tougher antipollution rules	Oct	28	17
European pesticide pact to protect the environment	N July	29	28
Flash distillation may turn fine chemicals waste into profit	Aug	5	51
Fuel Desulfurization's heavy-fuel plant in South Portland, Me. awaits approval N July 29-31	N Aug	5	18
Georgia seeking legal action to get West Point-Pepperell moving on installation of pollution control equipment at its mill at Lindale, Ga.	R Aug	12	13
Georgia wants timetable from Hercules for "adequate treatment and control or elimination" of toxaphene discharges from its Brunswick, Ga. plant into Terry Creek	Aug	12	11
Grass to reseed vital tundra ground on Alaska's North Slope	N Nov	18	38
Honeywell's computer program being used to interpret aerial photos of forests, may find other jobs in ecological studies	N Sept	16	68
Interior Secretary-elect Morton: A switch in pollution sentiments may be in order	Dec	9	14
Italian polluters may face criminal charges	N Dec	2	43
Japan's pollution curbs result in shortages, higher prices	July	29	26
Japan's rapid industrial growth, lack of pollution legislation cause major problems despite heavy plant spending for controls	Dec	9	42
Japanese problems: air pollution, slaughter of sperm whales, mercury spillages and now maritime fleet charged with dumping oil into the sea	N Aug	5	69
Joint committee on environment recommended by Commerce, Interior, Public Works committees	N July	8	21
A lively time with the environment - Publisher's Page	July	8	5
Machiasport, Me., coastal water pollution hearings postponed	N July	8	9
MCA 20th semiannual meeting draws a bead on environment, productivity and exports	Dec	2	21
Metal polluters? Federal surveys to determine role of heavy metals other than mercury in contamination	July	22	19
Michigan Gov. Milliken may introduce an anti-litter law that will ban sale of one-way bottles and cans	R Nov	25	16
Monsanto will no longer market PCB plasticizer as water-resistant plasticizer or as a hydraulic fluid	N July	22	9
Mrak, E. avers there is no evidence that minute pesticide traces in food cause harm to the human organism	N Oct	7	13
'Natural' pesticides: still far from the market	Aug	19	98
Nerve gas disposal bugs Army	Aug	19	23
New Jersey: nine industrial giants are polluting the air	N Aug	12	6
Ohio's Saltville shutdown: pollution control costs kill a plant	Aug	19	91
Peerless Tube Co. meets its pollution control deadlines	July	1	45
— letter July 22-5 (letter Aug 26-5)			
Pennsylvania makes it tougher on polluters	Aug	12	12
Petrochemical pollution: wastewater reuse, a cost-cutting must for petrochemical plants	Oct	7	49
Plant sites report J.M. Winton	Aug	19	74
Drought-resistant rivers (table)			
Pollution control and environmental research will be highlighted in the mobile show "Dimension U.S.A. ...Commitment Environment" to start in June '71	N Nov	11	13
Pollution control spending survey: who, when and how much (table)	July	8	23
Power-plant site selection overhaul sought by White House	Oct	14	21
Ruckelshaus, W.D. head of the new EPA: Golden opportunity for leadership - Viewpoint	Nov	18	5
— letter	Dec	9	5
Ruckelshaus, W.D., new environmental protection chief, will be hard on in-			

dustrial polluters	Nov	18	46
San Francisco pollution damage suit claims that pollutants caused the deaths of livestock	Sept	9	9
States look to Supreme Court to settle sticky pollution cases	Dec	23	15
Stauffer: Will today's pollution woes spur tomorrow's profits? (table)	Oct	14	49
There must be better ways			
... to deal with pollution - Viewpoint	Aug	19	5
Waste reprocessing: doomed by lead-free gas? Process changes at refineries may hurt profitable spent caustic to creylik reprocessing	Dec	23	33
Environment see also Air Pollution, Water Pollution			
Environmental Protection Agency			
Pesticides regulation will be one of the areas taken over by EPA	N Nov	18	49
Ruckelshaus, W.D.: Golden opportunity for leadership - Viewpoint	Nov	18	5
— letter	Dec	16	5
Ruckelshaus, W.D. new environmental protection chief, will be hard on industrial polluters	Nov	18	46
Enzymes			
Catalysis: insight into enzymes that may work as catalysts obtained			
of Calif's D.E. Koshland, Jr.	N July	1	39
Detergent makers OK government-industry enzyme study	Oct	21	24
Detergent producers strike back at critics	Oct	14	20
Dipeptidyl aminopeptidase can take apart proteins by starting at the head of the protein chain and removing two amino acids at a time	N Aug	12	33
Epoxyes see Resins			
Equipment			
Centrifuges - report, Kenneth Brooks ..	Sept	16	33
How modern is U.S. industry - new study by McGraw-Hill's Economics Dept.	Dec	2	19
Wage hikes and rising prices of materials and equipment boost plant construction costs	Nov	25	28
Ethers - Monomethyl ethers of ethylene glycol and diethylene glycol prices ..	N Sept	23	22
Ethrel 2-chloroethyl phosphonic acid - Growth stimulant is new way to hypo natural rubber yield	Aug	5	73
Speeds tomato ripening	N Nov	11	43
Ethylbenzene - Japanese plant	R Dec	16	39
Ethylene			
Argentina: Dow considers Argentine partners for ethylene-based petrochemical project in Bahia Blanca	N Aug	12	15
BP's VC plant based entirely on ethylene due to start up in Baglan Bay, Wales ..	N Dec	9	49
Crude-cracking unit to make ethylene and acetylene starts up in Japan	N Nov	11	43
Dow Chemical ethylene capacity at Sarnia, Ont., will not be increased ..	N Aug	26	28
East Germany orders plant	N Aug	5	80
Hoechst's Gendorf VC plant will switch to oxychlorination process employing only ethylene	N Oct	7	48
Hungarian plant	N Sept	9	56
Indian Petrochemical to build unit in Gujarat using C.E. Lurgi technology to produce polymer-grade ethylene ..	R Oct	14	38
Japanese plant plans cut in half	N Dec	2	51
Liquid-feed cracking for ethylene	Nov	11	41
Netherlands: Dow names contractor for second unit at Terneuzen	R Oct	7	43
Pakistan plant to be built by Lurgi	N Aug	16	18
Peroxide initiators reduce cycle times ..	N Aug	5	53
Puerto Rico Olefins gets giant "C2 splitter" for Penueles, P.R., plant	Oct	28	21
Russia to launch big petrochemical project with U.S. technology	Dec	16	15
Shell plant for France likely	N Sept	16	18
Singapore seeks plant	N Sept	23	39
Spain's Calvo Sotelo plans to expand capacity to meet nation's rising demand Spanish plant at Tarragona	N Nov	5	84
Sun Oil's East Coast olefins plans	N Nov	18	73
shelved	N Dec	9	7
Turkey: Petrochemical, ethylene and derivatives complex in Izmir planned N Aug 5-79, Aug 12-16	N Oct	14	35
UC adjusting ethylene derivative prices: N Ethylene Glycol - Japanese ethylene plant plans cut in half	N Dec	2	51
Ethylene Oxide			
Japanese ethylene plant plans cut in half	N Dec	2	51
Polyester switch: esterification of TPA with EO process	Nov	11	41
Royal Dutch/Shell's plant at Moerdijk ..	R Dec	16	40
Shell plans more oxide growth	N July	29	19
Teijin develops new approach to making polyester for fibers	N Nov	25	27
Ethylene Propylene Terpolymer - Poly-styrene modified with EPT will be marketed by Mitsui	N Dec	2	43
2-ethylhexanol - Ciguine Petroquímica plant at Salvador, Brazil	N Aug	5	79
Europe			
Antwerp-Rotterdam delta area faces ammonia glut as big plants start up (table)	July	8	15
BTX capacity boost (chart)	Aug	12	7
Detergent production in Eastern and Western Europe will nearly double by '80 ..	N Oct	21	31

Europe hampers giants says G. Agnelli ..	Dec	9	13
European Common Market's antitrust regulations gains respect from sales cartels in member countries	N July	1	28
Germans lose ground, but still lead			
European profit parade (table)	Oct	14	37
Melamine: new plants, process change, may help ease the shortage (chart) ..	Oct	21	32
Melamine markets reeling under impact of new capacity and processes	N Aug	5	60
Pesticide pact to protect the environment	N July	29	28
Private consortium in nuclear fuel processing is shaping up	N Nov	18	114
Sulfuric acid makers gearing up to handle more solid sulfur	N Oct	7	37
Natural gas companies propose pooling funds for exploration program	Oct	7	17
Explosions			
Allied's fire and explosion at Baton Rouge, HDPE plant not determined ..	N Sept	2	18
Du Pont files suit against Matador Chemical for damages to Sabine River Works caused by Matador explosion	N July	22	10
Hercules' Radford, Va. explosives powder plant explosion investigated	N Sept	9	10
Humble's Linden, N.J. blast alters supply lines	Dec	16	17
Liquid propane tank cars explode, nearly wipe out Crescent City, Ill.	July	1	18
Thiokol Chemical's solid-fuel rockets plant at Bristol, Pa., hit by an explosion	R Aug	26	18
Witco's Amalie refinery fire and explosion destroyed distillation section of the plant	July	1	16
Witco's Franklin, Pa., refinery that was severely damaged by explosion and fire will phase out operations	N Aug	12	6
Explosives			
ICI acquires U.K. subsidiary of Ireco Chemicals	R July	22	38
TNT and nitric acid production to be discontinued at Du Pont's Barksdale, Wis., plant	N Aug	12	21
Exports			
BTX capacity boost in Europe and Japan will cut U.S. exports (chart) ..	Aug	12	7
Burlington's Lynn says old rules hurt trade	Dec	23	16
Canada and Communist China establish diplomatic relations	N Oct	21	73
Canadian NGL for U.S. approved	Sept	9	17
Chemical exports rose in May	July	8	20
Commerce Dept. figures for eight-month import-export volume	Oct	7	17
'DISC' plan: export now, pay income taxes later (table)	Aug	5	35
East-West trade			
Moscow show helps some outsiders sell chemicals, technology	Sept	30	26
Japanese benzene producers' efforts to crack the U.S. market apparently unsuccessful; trade mission with- draws offer	N July	15	66
Japanese fertilizer producers bow to Chinese Communists demands	July	22	38
Japanese textiles			
Japan eases textile stand, changing outlook of U.S. trade bill	Nov	4	14
Quotas to get U.S. nod?	July	1	16
Japanese to push chemical plant exports to Latin America and Eastern Europe ..	N Sept	23	39
Lake Erie bridge would be an aid to chemical shippers	Oct	21	24
Steel outlook: good - but no records ..	July	29	19
Swedish exports drag	Dec	23	16
Tariff Commission set to probe U.S. - foreign industry competition	Oct	7	16
Trade bill see Tariffs - Trade bill			
Trade quotas only spell trouble - Viewpoint	Aug	5	5
U.S. chemical exports' surplus over imports rose in June	Aug	5	24
U.S. liberal trade policies' reversal worry Japan and Europe	N July	8	31
Expositions			
ACHEMA extra: final coverage of world's biggest equipment show	July	1	11
International Woodworking Machinery & Furniture Supply Fair: Plastics make it big in furniture (table)	Sept	30	22
Japan: Chemical Plant Engineering Exhibition: Chemshow Japanese style ..	Sept	30	28
Moscow's chemical show: Japanese, West and East Germans plan large exhibits, but U.S. participation will still be light ..	Aug	26	29
Show has moderate attendance	N Sept	23	39
Show chalks up \$2 million in sales	Sept	30	26
71 National Plastics Exposition in Chicago - exhibit space	R Oct	14	22
Extrusion			
Integrated process for the manufacture of basic extrusion-grade acrylics ..	Aug	5	25
Momouth Plastics will increase extrusion compounding capacity	R Aug	5	27
Eyeglasses - Bausch & Lomb to seek approval to market Soflens hydrophilic contact lens	N July	22	34

F

Fatty Acids

Polyester-cotton blends and straight polyester fabrics may force reformulation of heavy-duty detergents	N	Nov	18	100
Prices	N	Aug	12	21

Federal Power Commission

Asked to delay natural gas hike till shortage is determined	N	Sept	16	17
Chief Nasikas: May be necessary to curtail gas service to make do	Sept	2	25	
Louisiana Gov. McKeithen lays the blame for natural gas shortage on FPC pricing	Dec	2	22	
Natural gas rates, increases, cuts and some pleas for assistance	Sept	30	15	
Streamlining its approach to natural gas pricing	N	July	29	23

Federal Trade Commission

Complaint charges that Chemway misrepresented the antibacterial property of Dr. West's "Germ fighter" toothbrush	N	Dec	16	24
Enzyme detergents advertising claims hit by FTC	N	Sept	30	11
FPC asked to delay natural gas hike till shortage is determined	N	Sept	16	17
Kirkpatrick, Miles, 43rd chairman: "Philadelphia lawyer" may be what FTC needs	Sept	16	22	
Oligopolies: In-depth look at business concentration in the chemical industry planned	Sept	9	16	
Oligopolies to be investigated: chemical industry is one of "Big Six"	N	July	22	23
Fertilizer Institute - Financial fact sheet shows fertilizer losses are shrinking	N	Dec	23	40

Fertilizers

Australia: Dow, Swift and ICI of Australia may merge Australian investments	N	Nov	18	38
Australia: ICIANZ and Dow Australian officials deny that proposed merger of their nitrogenous fertilizer operations will raise prices to farmers	N	Dec	2	51
Australian producers protest elimination of subsidies	Nov	11	38	
Chinese to import fertilizer from Japan	Sept	9	56	
Escambia boosts output	July	15	26	
FI's financial fact sheet shows fertilizer losses are shrinking	N	Dec	23	40
First industry-wide fertilizer financial data: a whopping loss (chart)	Oct	7	15	
Grace documents fertilizer price-cost gap by systems analysis (chart & tables)	Sept	2	92	
Hungary: Coppe-Rust's third plant	N	Aug	5	80
Indian government approves four fertilizer projects that will increase nitrogen capacity 50%	Aug	5	84	
ICEC's Emil Finley, president: This Englishman found the going easier in U.S.	Aug	19	110	
Iranian petrochemical fertilizer complex at Bandar Shahr dedicated	N	Nov	11	39
Manila: Esso's fertilizer plant may be bought by IMC	July	8	31	
Mexicans get alumina and mixed fertilizers from alunite rock	July	29	31	
Monsanto sells "agricultural centers" in ill. and Iowa, and ammonia terminals in Iowa and Neb. to FS Services Inc.	N	Nov	18	99
'71-'72 sales are expected to be better than '70	Oct	28	18	
Pennzoil's process to make potassium polyphosphates as ultrahigh-analysis fertilizer	Sept	9	55	
Russia plans to double its fertilizer output in the next five years	N	July	29	27
Sales show their best growth in nearly five years	N	July	8	27
TVA presents a new idea for use of by-product ammonium sulfate	N	Oct	14	41
U.S. industry would be further "disadvantaged" if proposal to ramp up operations of AID is put into effect	Nov	18	43	
Year-end report: volume up, but profits remain slim (table)	Aug	12	24	
Zambian plant: boost for coal - letter	Sept	16	5	
Fertilizers see also individual fertilizers, Ammonia, Nitrogen, Phosphate etc.				

Fibers

Acrylic fiber capacity of Cyanenka's plant in Barcelona increased	R	July	8	33
Air safety bags: four man-made materials under consideration	N	Sept	23	11
America's Cup series marks first use of boron-graphite composites in sailing yachts, joining chemical old-timers titanium and polyester	Sept	9	48	
BASF-Dow considering selling Phrix Werke	N	Dec	23	31
Du Pont's Giana fiber prices	N	Nov	11	27
German Phrix-Werke will close its plants at Krefeld and Ockfritzel	N	Oct	14	35
Graphite fibers plant to be built at Bacchus, Utah not Bowling Green, Md. by Hercules	N	July	8	39
Herculan olefin fibers: Hercorform moves into modulars	Dec	16	15	
Home-sewing market gets push from fiber makers	Sept	2	24	

Japan's fiber and textile makers are mapping sizable expansions (table)	Sept	2	85	
Japan's synthetic fiber industry faces mounting inventories	Oct	7	19	
Makers lay off thousands as their market weakens	Oct	21	22	
Monsanto and Toray Industries plan entry into wig maket	Sept	30	17	
Phrix's cellulosic fiber operations may close due to low profitability	N	Aug	12	15
Polyester-cotton blends and straight polyester fabrics may force reformulation of heavy-duty detergents	N	Nov	18	100
Polyesters see Polyester				
Polypropylene see Polypropylene				
Portuguese plants planned	Oct	14	38	
Sales increases as a result of egg boom	July	29	36	
Self-destructing synthetic fibers? Scott of Univ. of Aston working on the project	N	Dec	9	49
Turkish joint-venture polyester plant planned by Teijin	R	Oct	7	43
Filaments Ultrathin metal filament process developed by Monsanto	N	Oct	14	41
Film - GAF agreement makes its film the "official film" for Disney market	Sept	23	17	
Filters - Co-spun polypropylene filter material - ACS meeting	Sept	23	46	
Filtration - Centrifuges - report, Kenneth Brooks	Sept	16	33	

Financial

Abbott: nearly \$2.4 million in cash profit-sharing checks go to eligible employees	N	Dec	9	7
AKZO's sales and earnings N Sept 2-81	R	Dec	16	40
Alkoma, Inc.: new enterprise checks in with \$360-million assets	Oct	7	18	
Albright & Wilson's sales and earnings	Dec	9	12	
American Cyanamid: higher sales, lower earnings	N	Dec	9	7
American Hoechst's sales and earnings	N	Oct	21	73
AICPA accountants are changing the rules on mergers and acquisitions	July	8	16	
AICPA drops controversial "size test" for permitting the pooling-of-interest method of merger accounting	N	Aug	12	6
AIRCO: A chemical arm with lots of muscle	Sept	2	57	
Atlantic Richfield's sales and earnings	N	Oct	21	17
Auto sales down 45%, chemical suppliers are hurting, too	Oct	14	21	
BASF bond issue	N	Oct	14	35
BASF executives tour U.S. operations: company re-evaluating worldwide investment program, no major acquisitions plans seen	July	22	18	
BASF sales and earnings in first half	N	Aug	12	15
'70	N	Nov	18	73
Balance of payments	Aug	5	24	
Payments balance off	Aug	5	24	
Second-quarter U.S. balance of payments	N	Aug	26	20
Bayer reports a 17% drop in profits	N	Nov	11	39
Bayer's sales and earnings for first half of '70	N	Sept	2	81
Bear market has some advantages for chemical companies	July	1	25	
Black-owned Ascension Chemical: a chemical industry first	Nov	11	28	
British chemical industry investments will increase about 26%	N	Aug	12	15
British dock strike hurts ICI sales and Shell exports	N	July	29	27
British Oxygen's sales and earnings	Dec	23	18	
N July 1-31	R	Dec	23	18
Building is down, auto sales up - F.W. Dodge report (charts)	July	8	17	
Buyers predict uptick	Dec	16	18	
Canada: Economic slump stunts chemical growth (tables)	Nov	25	33	
Canadian profits dive for three of Canada's four biggest chemical companies	Aug	12	16	
Capital appropriations by the 1,000 largest manufacturing companies in the U.S. held steady in the second quarter	Sept	9	20	
Says NICB	R	Sept	9	20
Capital spending: chemicals reach high in '71 - McGraw-Hill survey	Nov	4	18	
Celanese will buy up to 500,000 shares of its common stock	N	Aug	19	17
Chemical distributors expect improved business conditions in second-half '70	N	July	29	24
Chemical distributors wrestle with sliding sales and profits (charts)	Oct	28	31	
Chemical exports and imports rise	July	8	20	
Chemical plant and equipment investment - Commerce Dept. survey	N	Sept	9	9
Chemical prices cling to the floor, but costs hit the ceiling (chart)	Nov	18	41	
- letter	Dec	16	5	
CPI business slump bottoms out	N	Aug	5	60
Chile: Are U.S. companies facing nationalization under Allende?	Oct	21	77	
Citibank Chemical Exchange: chemical marketing and purchasing men turn thumbs down	N	July	8	28
Coal shortage chills chemical profit hopes (chart)	Oct	21	21	
Commerce Dept. mid-year study: Mid-year optimism	Aug	26	18	
Cosden: You can be small and profitable	Dec	2	48	
Courtaulds' sales and earnings first quarter '70	N	Nov	25	32
Crown Zellerbach's president Dahl pins '71 earnings to improved building outlook	N	July	22	39
DISC' plant: export now, pay income	Nov	25	14	

taxes later (table)	Aug	5	35	
Dividends satisfy stockholders, but retained earnings are cut (table)	Dec	23	13	
Dow's Williams' preview and outlook appraisal of chemical tags	N	Sept	2	17
Dow Uniquina's sales and earnings	N	July	8	32
Du Pont's economist C. Reeder sees brighter economic prospects for '71	N	Nov	25	9
Du Pont's sales and earnings	N	Oct	21	17
Du Pont Swiss bond issue funds will be used to expand operations in Europe	N	Aug	26	28
Economy's pace picking up: McGraw-Hill's Economics Dept. study (table)	Aug	19	24	
Elcor's Rock House sulfur-from-gypsum plant progress	N	Nov	4	63
Plant to close: company asks ASE to suspend trading in Elcor	Nov	18	42	
Elcor considering three options in effort to alleviate financial plight caused by its problem-plagued sulfur venture	N	Dec	9	41
Engelhard's Blake discusses chemical outlook and problems for '71	N	Oct	21	17
ENI sales for first-half of '70	N	Aug	19	31
Esso Overseas Finance stock offering	R	Sept	2	28
Europe hampers giants says G. Agnelli	Dec	9	13	
FI's financial fact sheet shows fertilizer losses are shrinking	N	Dec	23	40
Fertilizers, first industry-wide financial data: a whopping loss (chart)	Oct	7	15	
Firestone's annual year-end forecast	N	Dec	23	10
Foote Mineral's Chairman Bliss sees steady growth	Nov	18	44	
Foreign investment: Here's what the process industries are investing abroad	Aug	12	11	
McGraw-Hill Economics Dept. survey (table)	Aug	12	11	
Foreign investment: U.S. mandatory controls on foreign investments not working - survey of major U.S. companies by the U.S. Council of the International Chamber of Commerce	Aug	5	26	
GM reports third-quarter '70 net loss because of strike	N	Nov	4	9
Germans lose ground, but still lead	Oct	14	37	
European profit parade (table)	Oct	14	37	
Germany, West: chemical capital spending climbed 45% in '69	N	Aug	13	15
Germany, West: profit squeeze tightens	Oct	7	42	
Germany's "Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (table)	Sept	23	29	
Germany's "Big Three" will probably budget less for new plants and expansions in '71	N	Dec	16	37
Goodrich's sales expansion	Oct	14	20	
Grace common shares upped to 50 million	R	Sept	23	19
Grace documents fertilizer price-cost gap by systems analysis (chart & tables)	Sept	2	92	
Grace is offering the public a chance to invest in its specialty chemicals business; establishes Chemed Corp.	N	Dec	2	14
Great Britain: Shell revising original cost estimates of its five-year oil and chemical refinery expansion program due to inflation	N	Sept	9	56
Great Britain - Tory victory in British elections: the impact on business	July	1	14	
GNP: slight rise may signal economic upturn	July	29	15	
GNP \$1-trillion: GNP clock, an electronic device ticks off the growth of the economy	Dec	23	14	
Hanna Mining stock offering	R	Oct	7	19
Hoechst bond issue to finance expansion	N	Oct	14	35
Hoechst sales and earnings for first half of '70	N	Aug	19	31
Eight months sales and earnings	N	Sept	30	24
Sales in '70	N	Oct	21	73
Hoffmann-La Roche's sales and earnings	N	July	8	31
Hoyer Ball and Bearing Co. - Self-help means more profit	Oct	21	23	
Huel's sales and profits N July 8-31	R	Dec	23	18
ICI's North American operations sales and earnings in '69	N	Sept	30	24
ICI's sales and earnings N Sept 16-18	Dec	9	12	
ICI will borrow \$96 million	Dec	16	37	
ICIANZ's sales and profits: Australian Fertilizers incurred a loss	R	Dec	16	40
N July 8-32	R	Dec	9	13
Inflation alert hints at wage-price action	Dec	9	13	
IBM's Grove tells NICB the pause in the investment boom of the past decade will last into '71	N	Sept	30	11
IMC's earnings for fiscal year	R	Aug	12	13
IMC aiming to increase earnings	N	Oct	14	13
Inventories, sales up - Commerce Dept. report	Sept	23	18	
Investment survey on impact of high rates and tight money on new plant and equipment investments	N	Dec	23	10
Italian government increases its stake in Montedison	N	Nov	4	49
Japan opens investment door wider: foreign investment rules will be liberalized on Sept. 1	Aug	26	14	
Japan's chemical industry will spend nearly \$2 billion in fiscal '70	N	Nov	25	32
Japan's Petrochemical Industries Assn. wants to ban foreign investments in five key petrochemical derivatives	N	July	29	28
Laporte Industries' sales and earnings	N	Dec	9	12
Lilly's capital outlay this year may reach \$85 million	N	Nov	11	13
Lilly's sales and earnings first six months of '70	N	July	15	19
Liquidity: chemical companies make their				

(N Newsletter, R Roundup.)

ICI plants polyethylene plant at Fos, near Marseilles N Nov 11-30	Dec	9	20
Polysoprene synthetic rubber plant near Le Havre planned	Oct	28	14
Renault auto plant in Colombia: new pattern for foreign investors?	N Aug	5	80
Rhone-Poulenc hydroquinone and pyrocatechine plant near Lyon	R Oct	7	42
Shell's cumene plant near Bordeaux	N Sept	16	18
R Sept 2-85	N Sept	16	18
Shell ethylene plant for France likely	N Sept	16	18
Solvay plans chloromethanes plant at Tavaux complex	R July	22	38
Toluene diisocyanate expansion at Progil's plant	R July	8	33
Ugine Kuhlmann regroups units	Aug	5	84
Vacuum salt plant planned	R July	22	38

Freight Rates

Canadian potash shipments moving between Saskatchewan and Vancouver get new rates	N Nov	18	99
Chemical shippers may face freight strikes and rate hikes (chart)	July	15	25
Rail costs cause companies to divert shipments to barges and expand truck fleets	Oct	14	17
Railroads seek 15% hike in freight rates, may lose customers	Sept	2	25
Get rate increase from ICC, but hike is subject to refunds	N Nov	11	14
Request for rail-freight-rate hike causes shipper concern	Dec	9	11
Freon - Touted for use in pollution-free auto engines	N Aug	26	33

Fuel

Boron-based product kills bacteria in fuel oil tanks	Aug	5	53
- letter	Sept	9	5
Coal shortage chills chemical profit hopes (chart)	Oct	21	21
Coal-to-gas conversion: Kentucky envisions commercial plants	Oct	28	20
Evaluation of a process to produce ashless low-sulfur fuel available from GPO	N July	1	19
Fossil fuel supplies tighten, accelerating nuclear power growth	Sept	16	21
Heavy-fuel desulfurization plant in South Portland, Me., awaits approval	N Aug	5	18
N July 20-11	N Aug	5	18
Petrochemical producers face raw material feedstock shortage	N Sept	23	11
Power study spells out the obvious - the need for more	Oct	7	18

Fuel Cells

Allis-Chalmers dropping fuel cell business	N Dec	23	10
Fuel cell that operates on human blood, and might power an artificial heart, demonstrated	N July	8	40
Mercury discharges face tighter limits as U.S. moves to ban discharges by industry in 17 states	July	22	35

Fungicides

Mercury seed treatment row; Nor-Am wins injunction against suspension of Panogen July 22-27	July	29	16
Paint fungicides: nonmetals may paint mercury into a corner	Oct	21	83
Pesticides report by the U.S. Tariff Comm. underscores the obvious: some of the old-time bug-killers have just about had it	Aug	12	9
Thiophthalimide as a mildew preventive in paints	N Sept	23	49

Furnaces

Coke ovens: a major source of coal-tar chemicals for years to come (charts)	Sept	2	21
Isobutane-cracking furnaces - letters	July	29	5
Furniture - Plastics make it big in furniture (table)	Sept	30	22
Fusion - "Magnetic bottle, Tokamak, may be key to controlling fusion reaction	Dec	23	27

G**Gas**

Chemetron's National Cylinder Gas division air separation plant near Houston, Tex.	R Aug	26	18
Cleveland: Refrigerant gas makers are hauled up on conspiracy charges	Sept	9	17
DSM building gas plant at Geleen, Netherlands	R Oct	7	42
Fluorocarbon propellant gas producers strike back at critics	Oct	14	20
Ghana's cryogenic gas plant	R Sept	2	87
Nerve gas: no evidence of leaking from old cargo ship sunk in the Atlantic	N Nov	4	10
Nerve gas disposal bugs Army	Aug	19	23
Radioactive krypton and xenon can be removed from nuclear power plant off-gas by new system	N Oct	14	42
Separation plant at Arzew, Western Australia planned	R Oct	14	22
Tennessee Eastern Transmission's two processes to make synthetic pipeline gas	N Sept	16	68
Gas see also Natural Gas and specific gas			

Gasification

Coal gasification to make pipeline gas has to come in the U.S. says IGT's H. Linden	N Dec	23	23
Columbia Coal Gasification Corp. set up to develop a low-cost, direct substitute for natural gas from coal	N Dec	23	23
Kentucky envisions commercial plants for coal-to-gas conversion	Oct	28	20

Gasoline

Chevron uses polybutene amine F-310, to cut auto exhaust emissions; FTC disputes advertising claims (chart)	Oct	7	46
Lead: Gulf Oil introduces low lead content gasoline	R Aug	19	27
Lead additives plant to be built by Ethyl Tovo at Yamaguchi may be delayed if efforts to change shipping rules are unsuccessful	July	29	18
Lead additives tax rejected	Dec	2	19
Lead-in gasoline: California Senate kills a bill to phase out lead compounds from gasoline sold in the state by '77	R Sept	2	28
Lead-in-gasoline and the law: U.S. Commerce Dept. panel recommendations for limiting lead-in-gasoline; new clean air bill may sharply restrict the government's powers to regulate lead	N July	15	80
Marathon Oil ups crude oil processing and gasoline capacities at Robinson, Ill., refinery	R Oct	21	26
Nixon's lead tax bill: time is running out	Sept	23	18
Phillips Petroleum offers a regular-grade gasoline of low lead content	N July	8	9
Waste reprocessing: doomed by lead-free gas? Process changes at refineries may hurt profitable spent caustic to cresylic reprocessing	Dec	23	33

Generators

"Magnetic bottle": Tokamak, may be key to controlling fusion reaction	Dec	23	27
Undersea generating station feasibility study to be made by General Dynamics	N July	22	34
George, W.H. Krome - Alcoa puts an engineer on top	July	1	15
Germanium - GE R&D Center develops "purest" germanium	N Oct	28	35

Germany

Aluminum oxide plant	R July	22	38
BASF nuclear reactor license for Ludwigshafen still sought	N Aug	26	28
Bayer building formaldehyde plant at Uderingen	Sept	2	85
Bayer's chlorine plant at Dormagen	Nov	4	56
"Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (tables)	Sept	23	29
"Big Three" will probably budget less for new plants and expansions in '71	N Dec	16	37
East Germany orders ethylene plant	N Aug	5	80
German loss ground, but still lead	Oct	14	37
European profit parade (table)	Sept	30	28
Japanese plants for East Germany will employ Kellogg technology Sept 16-23	Sept	30	28
Kellogg awarded export license to provide basic technology for two fertilizer ammonia plants in East Germany	N Sept	9	56
Methanol unit near Mannheim, W. Germany	N Nov	25	32
Phrix-Werke will close its plants at Krefeld and Okriftel	N Oct	14	55
West German chemical capital spending climbed 45% in '69	N Aug	12	15
West German plastics consumption slowing down	Dec	9	39
West Germany: Hoechst's Gendorf VC plant will switch to oxychlorination process employing only ethylene	N Oct	7	48
West Germany's labor pot boiling again	N Oct	14	35
West Germany's new deflationary tax measures could mean tighter profit squeeze for chemical companies	N July	15	73
West Germany's profit squeeze still tightening	Oct	7	42
West Germany's sulfur capacity slated for expansion	N July	22	24

Ghana

Aromatics complex	R Sept	2	87
CPI plants planned	R Sept	2	87
Phenol plant planned	R Sept	2	87

Glass

Barex 210 glass substitute description N July 8-39	N July	29	33
Corning Glass offers machinable glass ceramics and porous silicates	N Oct	14	42
Industry's new program to redeem glass bottles and recycle them through furnace and bottle-blowing plants	July	15	30
Safety glass windshields for '71-model cars	R Sept	30	17
Used bottles will be repurchased, crushed and glass reused	N July	8	28
Glass Containers Manufacturers Institute - Used bottles will be repurchased, crushed and glass reused N July 8-28	July	15	30

Glass Fibers

Celanese's coupling agent improves acetal copolymer tensile strength	N July	15	80
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FRP tank made in one big piece	Aug	5	25
Japanese plant	R Aug	12	16
'71 autos: Maxi or mini - plastics win either way	Aug	26	12
Owens-Corning Fiberglas' new figures add up to a bright outlook for g-f producers	Oct	28	20
PPG introduces Triana, a family of glass-fiber yarns	R Aug	5	27
PPG says "second-generation" glass-fiber tire cord will open new markets	N Aug	26	27
Peru's growing glass-fiber fishing fleet	Nov	4	16
Plane made of epoxy resins reinforced with glass fibers	Oct	7	16
Plastic-hull target boats for U.S. Navy	R Sept	16	25
Glycol - Dow to build Australian plant for propylene and polypropylene glycol ethers	R Oct	21	26
Glyoxal - Prices	N Dec	2	35
Gold - Recovered from dilute aqueous solutions by new technique	N Sept	30	31

Graphite

America's Cup series marks first use of boron-graphite composites in sailing yachts, joining chemical old-timers titanium and polyester	Sept	9	48
Hercules plant at Bacchus, Utah, not at Bowling Green, Md.	N July	8	39
Grass - Grass to reseed vital tundra ground on Alaska's North Slope	N Nov	18	38

Great Britain

Britain's Dunlop and Italy's Pirelli will "consolidate interests"	Dec	16	16
BP's Wulff process acetylene plant closed down ahead of schedule	N Dec	9	49
Chemical industry fights "stagflation" (table)	Nov	4	51
Chemical industry investments will increase about 28%	N Aug	12	15
Conoco's U.K. refinery at Immingham closed price to be boosted	N Aug	19	97
Cost of importing certain key products could go up if country joins the Common Market	N Aug	19	31
Dock strike ties up exports and imports	N July	22	10
Strike hurts ICI sales and Shell exports	N July	29	27
Strike called off	N Aug	5	18
Ethyl chloride plant	R Dec	16	42
Iliff: Warns of need for prompt action to check slide of British chemical industry	July	15	32
ICI will build terephthalic acid plant at Wilton, Teesside	R Sept	2	85
Labor laws designed to cut down strikes proposed	N Oct	14	35
Oxygen unit for British Steel's Anchor plant	R Sept	2	85
Profits drag	N Dec	9	12
"Self-destruct": plastic container process developed by Univ. of Aston	N July	29	34
Shell revising original cost estimates of its five-year oil and chemical refinery expansion program due to inflation	N Sept	9	56
Tax scheme turns industry off	N Nov	18	74
Tory victory: the impact on business	July	1	14
Waste hassle	Nov	25	31
Great Salt Lake - Brine tap begins with potassium sulfate shipment	Dec	9	45
Greece - Sulfuric acid plant	R Oct	7	43
Gregory Vincent - "Rohm & Haas" new president: He brings a global view to the presidency	Sept	2	106

Gum

Rosin prices	N July	15	66
Xanthan gum to be produced at Meile, France, fermentation plant	R July	8	33

Guns

Hunting for profits: guns, ammo, bows, arrows are good business	Oct	28	37
Remington Arms' vice-president and general manager Philip Burdett: He's no marksman, but he calls shots for top gun firm	Oct	28	56
Gymnodinium breve - An important clue to the formation of red tide turned up	N Dec	2	43
Gypsum - Elicor's Rock House sulfur-from-gypsum plant progress	N Nov	4	63
Plant to close; company asks ASE to suspend trading in Elicor	N Nov	18	42
Elicor considering three options in effort to alleviate financial plight caused by its problem-plagued sulfur venture	N Dec	9	41

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Haynes, William (Billy) - Obituary	Nov	25	12
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Health

Alcohol and drugs - growing problems faced by management	Nov	25	16
"Brown lung" - Textile industry scored on "do-nothing" attitude on byssinosis	Dec	16	18
Household chemicals are among 16 categories of commonly used products termed "unreasonable health			

hazards"	July	1	17
Job-safety legislation see Law			
Mrak, E. avers there is no evidence that minute pesticide traces in food cause harm to the crisis by the turn of the NAS report says the nation is in for a health-care crisis by the turn of the century unless biomedical research is adequately funded	N Dec	9	50
O'Henry's candy bar recalled because traces of potentially hazardous Salmonella bacteria found	Sept	30	17
Prostaglandins: 70s panacea?	Oct	28	45
Test for excess mercury in canned tuna fish will begin this week	N Dec	16	24
U.S. health expenditures will likely increase about 12%/year for the next five years	N July	1	10
Vitamin C: Linus Pauling calls for large-scale testing to prove claims, now-questioned, that vitamin C can prevent, cure colds	Dec	16	56
Warf Institute will carry out study of effectiveness of detergents and disinfectants in killing bacteria and viruses	N July	1	19
Heating - SECT system rights licensed to Thermocon Mfg. by Chisso Engineering	N Nov	11	43
Heavy Water			
AEC of Canada purchases heavy water from Sweden's inoperative Marviken reactor	N Sept	16	68
Canada: Ontario's nuclear complex includes heavy-water plant vital to Canada's role as a supplier of power facilities	July	1	40
Canadian plant at Port Hawkesbury, N.S. onstream	N Oct	14	42
Polish scientists develop economical heavy water process using a distillation technique	N Aug	26	33
Helium - DSM building gas plant at Geleen	R Oct	7	42
Heptanoic Acid - Tariff may be imposed	N July	15	65
Herbicides			
Armed Services will continue with their defoliation program in Vietnam	Sept	2	26
Dow Chemical-Latin America raising prices of exported herbicides	N Nov	18	100
Pesticides report by the U.S. Tariff Comm. underscores the obvious: some of the old-time bug-killers have just about had it	Aug	12	9
Phenoxy herbicide prices: N July 8-27, N Oct 7-37	N Oct	7	37
2,4,5-T: ecology faction presses for more restrictions on pesticide uses but demand continues to grow	Aug	5	21
2,4,5-T: USDA tells producers to clean up processing	N Oct	7	14
- letter	Oct	28	5
Hexafluoropropylene - Fluorinated propylene HFP going commercial	N July	29	33
Holography - Holosonics purchases exclusive license to acoustical holography patents from Holotron Corp.	N Nov	18	113
Hormones			
Contraceptives: new hormone approach to birth control is nearing the marketing stage	N July	1	39
Natural pest controllers: still far from the market	Aug	19	98
Hostettler, James - General Tire & Rubber's Chemical/Plastics Div. vice-president and general manager: Salesman-coach now manages business team	July	22	48
Hungary			
Ethylene plant at Leninvaros, in eastern Hungary	N Sept	9	56
Fertilizers: Coppe-Rust's third plant	N Aug	5	80
PVC plant	N Sept	9	56
Hunting - Game for specialty chemical makers	Oct	28	37
Hydraulic Fluids - Prices	N Dec	23	40
Hydrocarbons			
Aerosol propellants prices	N Dec	16	45
Bolivia-Spain agreement for the joint production and marketing of Bolivian hydrocarbons	N Sept	16	18
Ethyl's Magnolia, Ark., plant to produce a brominated hydrocarbon intermediate	R Aug	12	13
Japanese plant	Sept	16	23
Lear, W., develops fluorinated hydrocarbon called Lastrum for steam engines	N Dec	16	60
Sales	N Aug	19	85
Hydrochloric Acid - Prices N Sept 16-58	N Dec	16	45
Hydrofluoric Acid			
Chemico obtains BUSS rights to technology for making hydrofluoric acid from fluosilicic acid or fluorspar	N Nov	25	27
Lehigh Valley's plant at Easton, Pa.	R Nov	18	46
Prices: N Sept 16-58	N Dec	16	45
Hydrogen - Partial oxidation of fuel oil to hydrogen	Nov	11	41
-hydrogen Peroxide - Du Pont completes expansion and will begin addition	R Oct	21	26
Hydroquinone - Rhone-Poulenc plant near Lyon	R Oct	7	42

Ice Removal - Camp Chemical boosts sales 70% with accent on marketing	Dec	9	29
Iceland - Diatomite mine and processing plant near Lake Myvatn	R July	8	33
Illinois Institute of Technology - Process to separate organics from water and get a water stream containing only one of two parts/million	N Dec	16	59
Illinois Institute of Technology Research Institute - Chemical extraction process for getting copper from sulfide ores research program	N July	15	79
- letter	Aug	12	5
Imports			
AFL-CIO seeks membership support for plan to regulate imports	July	22	19
ASP see Tariffs			
Argentina's slash in import duties worries chemical makers	July	22	16
Asphalt's additional imports okayed	N July	29	23
Benzenoids: SOCCA seminar limns ASP need	Nov	18	44
Benzenoids take a beating - and worst is ahead (charts)	Sept	9	13
Benzenoids see also Tariffs - Trade bill			
Burlington's Lynn says old rules hurt trade	Dec	23	16
Canada and Communist China establish diplomatic relations	N Oct	21	73
Chemical imports rose in May	July	8	20
Chinese to import fertilizer from Japan	Sept	9	56
Commerce Dept. figures for eight-month import-export volume	Oct	7	17
Great Britain's cost of importing certain key products could go up if it joins the Common Market	N Aug	19	31
Japanese benzene producers' efforts to crack the U.S. market apparently unsuccessful; trade mission withdraws offer	July	15	66
Japanese textiles			
Japan has second thoughts on curbing textile exports to U.S.	Dec	2	22
Japan's decision to reopen negotiations on voluntary restriction of exports chops trade bill chances	Nov	4	14
Quotas to get U.S. nod?	July	1	16
Lake Erie bridge would be an aid to chemical shippers	Oct	21	24
MSG imports cause of U.S. producers quitting the business	July	15	28
Oil quotas			
Amendment to oil import proclamation opens the way for more oil	July	1	14
Increased imports for use as petrochemical feedstocks seen	N July	8	21
Nixon will continue the present oil import quota system for "the foreseeable future"	N Aug	26	20
President Nixon barred from substituting a tariff on oil for present system of oil import quotas	N July	22	23
Proposed regulations on imports of petrochemical feedstocks getting close scrutiny	N Aug	19	97
Tanker shortage deflates value of oil import quota tickets	Aug	5	25
Texas ups oil quotas	Sept	30	16
Sperm oil: Importers of whale oil protesting the Interior decision to place sperm whale on the "endangered species" list	July	15	26
Steel outlook: good - but no records	July	29	19
Sulfur imports may be curbed by new bill (chart)	Aug	26	15
Sulfur would get import protection under a bill introduced by Sen. Long	N July	29	23
Tariff Commission set to probe U.S. - foreign industry competition	Oct	7	16
Textile import cuts will aid U.S. makers	Dec	16	14
Textile workers losing jobs because of Trade bill see Tariffs			
TWUA supports quotas on textile imports	Sept	9	18
U.S. chemical exports' surplus over imports rose in June	Aug	5	24
U.S. liberal trade policies' reversal worry Japan and Europe	N July	8	31
India			
Fertilizer and nylon production stepped up, first caprolactam plant to be built	Aug	5	84
Nylon-6 tire plant	R Aug	12	16
Indonesia			
Bauxite discovery in southwest Kalimantan	R Nov	18	46
Petramina picks Bechtel to build polypropylene plant	R Oct	7	43
Industry Developments			
ARCO: A chemical arm with lots of muscle	Sept	2	57
Area developments see Area Development			
BASF's U.S. operations may be consolidated	N July	15	73
Canada: Economic slump stunts chemical growth (tables)	Nov	25	33

Coal shortage chills chemical profit hopes (chart)	Oct	21	21
Combustion Engineering's Minerals Div. plans expansion of its clay and bauxite processing plant at Andersonville, Ga.	R Nov	25	16
Conglomerates: bill would permit about 30 conglomerates with bank subsidiaries to continue making acquisitions without limit	N July	15	65
Cresco Fertilizer's Westernport, Victoria, complex is for sale	Oct	14	38
Enjay moving corporate headquarters to Houston, Tex.	Oct	14	19
Ethical drugmakers' role shifts	Oct	21	25
Ethyl will build giant NTA plant in Pasadena, Tex.	N Oct	14	13
French chemical industry in position to challenge Europe's leaders (map, table)	Sept	9	57
Germany's "Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (tables)	Sept	23	29
Grace establishes Chemed Corp.	N Dec	2	14
Hoechst and Perstorp joint subsidiary in Goeteborg	N July	1	31
Italy plans to triple output by '80	N July	29	26
Japan's chemical industry plans to boost R&D	N Sept	2	81
MCA 20th semiannual meeting: draws a bead on environment, productivity and exports	Dec	2	21
Merger-approval board idea being revived: Celler to introduce bill	N July	29	23
Mergers: Accountants are changing the rules on mergers and acquisitions	July	8	16
AICPA drops controversial "size test" for permitting the pooling-of-interests method of merger accounting	N Aug	12	6
Mergers: Number of corporate merger announcements was down "only 15%" in the second quarter	N July	15	19
Mergers and acquisitions			
Akzona, new company formed by merger of American Enka, International Salt and Organon, Inc.	N Sept	2	81
R Aug 19 27,			
New company debuts ready for the bigtime	Oct	7	18
Akzona will acquire three subsidiaries of Armour & Co.	N Dec	9	7
Alberto-Culver sells Culver Chemical Co. div. to Northern Petrochemical	R Aug	19	27
Alcolac Chemical purchases additional shares of Water Pollution Research & Application	R Aug	5	27
American Cyanamid and Ervin will merge	R Aug	12	13
American Cyanamid and J. Hancock Mutual Life Insurance will be partners in commercial farming venture	R Nov	4	18
American Cyanamid buys Chem Lab; will be ran by Lederle Labs. Div.	R Nov	11	23
American Cyanamid's agreement to acquire Elizabeth Arden Sales pre-dates Eli Lilly's arrangement	R Oct	14	22
AC will sue for court enforcement of an agreement	N Oct	28	14
N American Hoechst purchases Stauffer's 50% share in Stauffer Hoechst Polymer new company called	Dec	23	14
Hoechst Polymer			
American Metals Climax may buy Northwest Aluminum's site near Astoria, Ore.	N Sept	2	18
Asarco will buy four Illinois coal mines from Kennecott subsidiary Peabody Coal	N Aug	5	17
Amoco-Avison consolidation creates \$320-million chemical maker	July	8	41
Apple River Chemical grants option to St. Paul Ammonia Products to buy all its plant assets	R Aug	19	27
Ashland Oil may acquire Foster Grant	N Nov	11	14
Vegetations called off	Dec	23	15
Atlantic Richfield-Sinclair Oil merger: Justice's proposed consent decree settlement N Aug 5-18,	N Aug	12	6
BASF buys minority share in West Germany's Rohm & Haas	N July	29	28
BASF continuing its acquisition spurge: Single Group, including Kast & Eninger, and Howard & Sons	N July	1	31
BASF sells 51% interest in Westfalenbank	R Sept	2	85
Baker Chemical acquires Uni-Tech from Bio-chemical Procedures	R Dec	23	18
Bayer acquires Allied's 50% interest in Sherkat Sahani Aliaf	N July	29	28
Bayer bids for International Coating Materials	N July	29	28
Bayer withdraws bid	R Sept	2	87
Bechtel Corp. taking over C&I/Girdler, Inc.	N Aug	5	70
Beecham acquires Uhu Werke, H.U.M. Fischer	R Dec	16	42
Borg-Warner's Marbon Div. sells its line of adhesives for ABS to Solar Compounds	R Dec	23	18
Britain's Dunlop and Itay's Pirelli will "consolidate interests"	Dec	16	16
Chem Systems and DeBell & Richardson merger	N Dec	2	44
Ciba-Geigy merger proposal gets U.S. Justice okay R July 15-32,	July	22	18

Antitrust division spells out requirement of merger	July	29	15	Products Quimicos Schering	R	Nov	18	74	to foil aircraft hijackers	N	Sept	23	49	
Merger approved	Oct	28	43	Schering and Plough agree to consolidation into a new corporation	R	July	1	18	Electronic "gun detector" to help prevent airplane hijacking	N	Oct	7	17	
Merger causing reshuffling of some divisions	R	Nov	4	18	Schering-Plough	R	Aug	5	27	MIT's April and Hume work up a way to measure mercury in parts per billion	N	Dec	2	44
Cros agrees to buy Hooker's 50% interest in Occidental from Occidental Petroleum	Nov	11	38	Shift in ethical: fewer independents	R	Oct	21	25	Shell Development instrument can spot minute quantities of hydrocarbon pollutants in water	N	Aug	26	15	
Dart Industries acquiring Lancy Labs.	R	July	15	32	Soc. de Prayon seeking to acquire all the shares of Soc. des Engrais Chimiques et Organiques	R	Dec	16	40					
Doric Corp. acquires J.C. Milligan	R	Oct	7	19	Soc. Technique d'Entreprise Chimiques	R	July	22	33					
Dow Corning sells share of Soc. Industrielle des Silicoes to Rhone-Poulenc	R	Aug	5	27	M.W. Kellogg acquires 1/3 sold to Sodetag; another 1/3 sold to Sodetag	N	Aug	19	27					
Dow, Swift and ICI of Australia may merge Australian investments	N	Nov	18	38	Standard Alliance Industries will acquire Fabricated Steel Products	R	July	8	20					
Du Pont to purchase Bell & Howell's analytical instruments line manufactured at Monrovia, Calif.	N	Aug	12	6	Stauffer acquires carrageenan plant formerly operated by Kraft Foods	R	Nov	25	16					
DSM will buy Allied's 50% share in Synres	N	Sept	23	39	Stapan Chemical acquires General Aromatics	R	Sept	30	24					
Emery Industries will purchase 51% of Jordan Chemical's shares	R	July	8	20	Ugine Kuhlmann merger with Pechiney; petrochemicals will probably be eased out	N	Aug	12	16					
Engelhard Minerals buys 48.4% of the shares of Soc. de la Cornouaille Francaise from Cie. de Mokta	R	Sept	23	19	Uniroval acquires Rumania's interest in Itay's Naugatuck-Rumania	R	Sept	9	20					
Esso Chemical acquires full ownership of Fibras Esso and Amoniac	N	Dec	23	31	Wellington Tube Holding and Salem Corp. will buy Allied's coke-oven building business	R	Dec	16	18					
Esso's interest in Fertica will be bought by Guano y Fertilizantes	N	Aug	19	31	Weyerhaeuser's Kamloops Pulp & Paper Div. acquires B.C. Interior Sawmills	R	Oct	28	21					
Esso's Manilla fertilizer plant may be bought by IMC	N	July	8	31	Wyandotte Chemicals will sell cement plant to Wyandotte Cement	R	Aug	26	18					
Firestone acquires shares of Radiation Dynamics	R	Oct	28	21	Wyandotte Industries and First Hartford Realty may merge	R	Sept	9	16					
Fisons will merge its Agrochemicals and Industrial Chemicals divisions	R	Dec	2	52	Mergers and Acquisitions see also Company Index under individual company names	N	Sept	9	16					
General Cigar wants to acquire Bermas Plastics and Pan American Products	N	Nov	11	13	Oligopolies: FTC plans in-depth look at business concentration in the chemical industry	N	Nov	18	91					
General Cigar won't sell its Ex-Lax stock to Pfizer	N	Nov	11	13	Reichhold: On the recovery road	N	Oct	21	17					
Georgia-Pacific will buy Meadow River Lumber	R	Dec	2	22	Shell moving out of NYC by mid-'71	N	Oct	28	43					
Goodrich-Goodyear battle for control of Vredestein July 8-17	July	15	27		SIR dips into international money for big petrochemical expansions in southern Italy	N	Nov	4	49					
Grace's Hatco Group has acquired Herman's Sporting Goods Cos.	R	July	15	32	Soviet chemical industry boosts output about 7% during the next 30 years	N	Aug	5	79					
Grace sells its subsidiary Howard & Sons to German BASF R July 1-18	N	July	1	31	Sweden's chemical industry will boost output about 7% during the next 30 years	N	Nov	4	49					
Hercules to spin off the 34% interest in Columbia Rope it acquired in '65	R	Aug	26	18	U.K. chemical industry fights 'stagflation'	N	Nov	4	51					
Hoechst acquires majority holdings in Br'leira de Sintetico, plans nylon and polyester fibers expansions	R	Nov	11	23	USI: Closing in on the top 10	Dec	23	5						
Hoechst buys 26% interest in Stollack	N	Dec	23	31	We will shed few tears for '70 - Viewpoint	Sept	2	37						
Hoechst increases in Hans Schwarzkopf from 25 to 48%	N	Aug	5	80	Wilmington, Del., ghetto tells chemical firms "it's up to you"	Sept	2	37						
Howmet Corp. to acquire Southern Extrusions	R	Nov	11	23	Wilson Pharmaceutical will launch expansion program	N	Nov	4	10					
Huels will buy Chemische Fabrik Servo	N	Sept	23	39	Ink - Fitchburg develops no-copy paper for use with special ink to prevent the reproduction of newsletters and other documents for limited distribution	N	Nov	18	110					
ICI acquires U.K. subsidiary of Iteco Chemicals	R	July	22	38	Insecticides									
ICI buys 25% interest in Nippon Polyurethane Industry	N	July	29	28	Canadians are warned to expect less from pesticide performance	Sept	30	37						
International Chemical & Nuclear acquires Winley-Morris	R	Dec	9	14	Colombola and the soil mite thought to produce an enzyme that degrades DDT to its derivative DDE	Sept	9	15						
Japan's Delta Plastic will merge with Asahi	R	Nov	11	23	Corn Belt blight no windfall for pesticide makers	Sept	2	24						
Koppers and General Crushed Stone may merge	N	Aug	26	11	DDT see DDT	Aug	12	33						
Larvin-Charles of the Ritz and Squibb Beech-Nut may merge	R	Nov	4	18	DDT substitutes being tested in Australia	Aug	5	21						
M&T Chemicals attains full ownership of Billiton-M&T Chemicals Industries	R	Sept	16	25	Ecology faction presses for more restrictions on uses, but demand for pesticides continues to grow rapidly	July	29	28						
Mallinckrodt acquiring Fries & Fries	R	July	15	32	Gypsy moths: Carbide's Sevin replaces DDT; USDA suggests auxiliary treatments	July	22	29						
Merck and National Starch call for merger talks	N	Aug	12	6	Michigan biochemists suggest new way to kill insects: Starve them of cholesterol	Dec	16	60						
Millmaster Onyx acquires Radiotronics Polymer Div.	R	Nov	4	18	'Natural' pesticides: still far from the market	Aug	19	98						
Monsanto sells "agricultural centers" in Ill. and Iowa and ammonia terminals in Iowa and Neb. to FS Services Inc.	N	Nov	18	99	Penick's SBP-1382 bug killer will be tough rival for pyrethrum	Sept	23	45						
Northern Petrochemical will acquire Canton Containers	R	Dec	16	18	Pesticide bill hearings resumed	R	Oct	14	22					
Occidental purchases Grace's Latin American vinyl holdings	N	July	29	11	Pesticide marketers expect an improvement this year	N	Aug	19	85					
Pacific Industries will buy Martin Marietta's Sinclair & Valentine	N	Dec	23	10	Pesticide producers ordered to reword labels on nine products	R	Nov	11	23					
PASCO agrees to consolidate its assets with Susquehanna Corp.	July	8	19		Pesticides regulation will be one of the areas taken over by the new EPA	N	Nov	18	49					
Pan Ocean Oil will acquire Pocsanico Oil, Intercon Oil and Ocean Platinum	R	July	1	18	Pesticides report by the U.S. Tariff Comm. underscores the obvious: some of the old-time bug-killers have just about had it	Aug	12	9						
Pantasote and Wilcox & Gibbs merger talks	N	July	1	9	Polymer coating for pesticides will be tested	N	July	8	21					
Parke-Davis acquisition of Brewer Pharmaceutical approved	R	July	8	20	Texas charges New Mexico cattle ranchers with pollution of Canadian River by spraying the hard pesticide toxaphene on range grass to kill caterpillars	July	15	25						
Parke-Davis on mergers: "no" to Revlon; "yes" to Warner-Lambert	Aug	12	10		USDA is broadening its review of pesticide applications	Sept	9	18						
Warner-Lambert merger	N	Sept	2	18	Water-degradable polymers: Organic acids that can be polymerized then slowly degraded are basis for packages, controlled-release pesticides, drugs	Sept	2	65						
Merger is eyed by Justice	N	Oct	14	14	Institute of Gas Technology - Coal gasification to make pipeline gas has to come in the U.S. says H. Linden	Dec	23	23						
Shift in ethical: fewer independents	Oct	21	25		Instruments									
Justice Dept. won't challenge the merger, but suggests FTC take a look at the deal	R	Nov	25	16	Electromagnetic screening device, Friskem									
Pennwalt will sell its Harchem Div. to Union Camp	N	Sept	9	9										
Phillips Petroleum bids to acquire Midwest Oil	N	Nov	4	9										
Power Gas acquires Bamaq Verfahrenstechnik GmbH	N	Aug	12	33										
Radiation Technology acquiring U.S. Composites Corp. and American Nuclear Corp.	R	Sept	23	19										
St. Paul Ammonia buys Apple River Chemical's ammonia business	R	Oct	28	21										
Schering acquires 49.5% interest in														

in Ravenna	R	Aug	12	16
Britain's Dunlop and Italy's Pirelli will "consolidate interests"	Dec	16	16	
Chemical industry plans to triple output by '80	July	29	26	
Continuous-filament PP unit at Terni	N	Nov	18	74
Controversial patent law modified	N	Dec	16	59
ENI's natural gas plans	N	Aug	19	31
ICI's processing and packaging pharmaceuticals plant operating at Caponago	R	Nov	18	74
Labor peace: can chemical industry avoid crippling strikes? (table)	Oct	7	39	
Government-unions agreement	N	Oct	14	35
LAB for soft detergents may soon find a large domestic market	Aug	12	25	
Marano plant will produce methylamines and rubber chemicals	R	Nov	18	74
Montedison's Bruno Janni and Guido Molteni resign	N	July	22	39
Merzagora, Cesare resigns	N	Oct	28	43
Campitelli, Pietro named to the chairmanship	N	Dec	23	31
Montedison's reorganization involves grouping into 10 divisions (table)	Oct	7	40	
Montedison's sodium chloride plant near Ciro Marina	R	Sept	2	85
Montedison's stock bought by government companies	N	Nov	4	49
Neofli's PP plant at Terni	R	Sept	2	85
Petroleum product supplies drop seen in '71	N	Nov	25	32
Polluters may face criminal charges	N	Dec	2	43
PE unit onstream at ABCD's Ragusa complex	R	Nov	18	74
Sicily's remaining sulfur mines will close in the near future	N	Nov	18	100
Snia Viscosa enlarging its plant at Colleferro, Latium	R	Dec	16	42
Snia Viscosa supplies Russian carbon disulfide plant	N	Aug	5	80
SIR plans expansions in Naples, Sardinia, Calabria and Sicily	Oct	28	43	
Sulfuric acid plant	R	Oct	7	42
Uniroval acquires Rumianca's interest in Naugatuck-Rumianca	R	Aug	12	16

J

Japan				
Acrylic ester producers on a building spree	Dec	2	52	
Benzene plant plans	Sept	16	23	
Benzene producers' efforts to crack the U.S. market apparently unsuccessful; trade mission withdraws offer	N	July	15	66
BTX capacity boost (chart)	Aug	12	7	
Brazilian and Japanese firms team to form Cigome Petroquímica in Salvador, Brazil to produce 2-ethylhexanol and n-butanol	N	Aug	5	79
Buyers AMA know-how	Sept	9	18	
Cabot denied Japanese patent rights on its oil-furnace carbon black process	N	Aug	19	97
Chemical industry labor costs up	N	July	29	27
Chemical industry plans to boost R&D	Sept	2	81	
Chemical industry will spend nearly \$2 billion in fiscal '70	N	Nov	25	32
Chemical labor costs continue to rise	N	Oct	28	43
Chemical Plant Engineering Exhibition (5th annual)	Sept	30	28	
Chemical plant exports to Latin America and Eastern Europe pushed	N	Sept	23	39
Chiba rejects bids to build refinery and petrochemical complexes	R	Oct	7	43
Chinese to import fertilizer from Japan	N	Sept	9	56
Delta Plastic will merge with Asahi	N	Nov	11	23
Du Pont and Mitsubishi possible polyester film venture	N	July	29	27
Engineering contractors gird for battle with overseas rivals	Sept	30	28	
Environmental villain: air pollution, slaughter of sperm whales, mercury spillages and now maritime fleet charged with dumping oil into the sea	Aug	5	69	
Ethyl Toyo applies for permission to ship lead additives in trucks and railway tank cars; government agencies express opposition	July	29	18	
Ethylene plant plans cut in half	N	Dec	2	51
Fair Trade Comm. raids 30 offices of eight major titanium oxide manufacturers for evidence of price-fixing	N	Aug	19	85
Fertilizer producers bow to Chinese Communist demands	July	22	38	
Fiber and textile makers are mapping sizable expansions (table)	Sept	2	85	
Foreign investment rules will be liberalized on Sept. 1	Aug	26	14	
Goodrich bows out of Geon deal	Sept	23	41	
Goodyear plans polyisoprene venture Sept 23-41	R	Dec	2	52
Hydrocarbon resin plant	Sept	16	23	
Komachi will import UC's Dynel and turn out about 200,000 hairpieces/month	Dec	2	20	
Melamine: new plants, process change, may help ease the shortage (chart)	Oct	21	32	
Mitsui Toatsu's Toshio Sueyoshi: Keeps his cool when going is rough	Dec	16	68	
Mitsui Toatsu's urea-and melamine-based adhesives plant at its Chiba works	R	Nov	18	74
Petrochemical Industries Assn. wants to ban foreign investments in five key petrochemical derivatives	N	July	29	28
Petrochemical investments in Thailand				

may be jeopardized	N	July	8	31
Complex a step closer to approval	N	Nov	11	39
Plastic exports up in first half '70	N	Nov	4	49
Pollution: rapid industrial growth, lack of pollution legislation cause major problem despite heavy plant spending for controls		Dec	9	42
Pollution curbs result in shortages, higher prices in Japan		July	29	26
Polypropylene plant at Kawasaki	R	July	29	26
Polypropylene plant completed by Sanyo at Nagoya	R	Oct	7	43
PVC pipe plant for Dominican Republic's firm	N	Aug	5	80
Potash buyers and Saskatchewan agree on purchase plan	N	Aug	5	60
Negotiating over minimum floor price	N	Oct	28	27
Prefabs: series of agricultural communities envisioned		Nov	18	74
Roundup of new plants and projects				
R July 8-34, R Aug 12-16	R	Dec	16	39
Salt imports from Australia for chemical manufacturing		Oct	14	22
Styrene producers plan to double capacity by '74	N	Oct	21	73
Synthetic fiber industry faces mounting inventories		Oct	7	19
Synthetic wood joint venture at Kawasaki	R	Aug	12	16
Tariff cuts on about 13 chemicals	R	Dec	23	18
Terephthalic acid plant at Iwakuni	R	Oct	7	43
Ohkake	R	July	29	26
Terephthalic acid plant at Mizushima, using Amoco technology	R	July	29	26
Textile quotas see Imports - Japanese textiles	N	Sept	16	58
Toluene sold to Standard Oil of California	N	Sept	16	58
Toray Industries expanding into fiber raw materials and plastics	N	July	22	39
UC-Nippon Carbide joint venture operations restricted		July	8	34
World's first commercial aniline plant using phenol and ammonia as raw material built by Mitsui Petrochemical Industries at Chiba complex	N	July	22	39
World's first commercial synthetic wood-pulp plant planned	N	Dec	16	37
Japan Ammonium Sulphate Industry Assn. - Chinese to import fertilizer from Japan	N	Sept	9	56
Japan Chemical Fibers Assn. - Fiber and textile makers are mapping sizable expansions (Table)		Sept	2	85
Japan Chemical Industry Assn. - Labor costs reported	N	Oct	28	43
Japan Management Assn. - Chemical Plant Engineering Exhibition, (fifth annual): Chemshow Japanese style		Sept	30	28
Japanese Aromatics Manufacturing Assn. - Benzene offer to U.S. withdrawn	N	July	15	66
Japanese Society of Polymer Science - Discusses new processing techniques		Aug	5	43

K

Kenya				
CPI plants planned	R	Sept	2	87
Tire plant under way	N	Aug	5	80
Ketone - Deutsche Erdöl will up capacity of its alcohol and ketone plants at Meerbeck	R	Aug	12	16
Kirkpatrick, Miles - FTC's 43rd chairman: "Philadelphia lawyer" may be what FTC needs	Sept	16	22	
Klein, Carl - Quits in policy row over water quality	Sept	30	15	
Korea				
Acrylonitrile plants R July 15-32	R	July	29	26
Gulf will increase its stake in Korea Oil R	R	July	29	26
Polymer plant and polyester fiber unit in Taegu	R	July	29	26
South Korean petrochemical buildup: \$220 million in new plants (map)	Dec	16	38	
Titanium dioxide plant in Incheon	R	July	29	26
Krypton - Radioactive krypton and xenon can be removed from nuclear power plant off-gases by new system	N	Oct	14	42

L

Labeling, drugs see Drugs				
Labeling, law see Law				
Labor				
AFL-CIO seeks membership support for plan to regulate imports	July	22	19	
Alcohol and drugs - growing problems faced by management	Nov	25	16	
Allied and local Technical Workers reach agreement	Oct	21	25	
Ammunition makers' layoffs due to Pentagon decision to by-pass private small-arms ammunition makers	R	Nov	18	46
Amoco: professional unionism set back by company move	Sept	23	19	
Automobile strike				

Deadline is Sept. 14 for "Big Three" car makers; GM appears to be next target of UAW	Aug	5	27	
Unions denounce the initial contract proposals of the "Big Three"	Sept	9	16	
GM shutdown: wide and severe repercussions for chemical industry	Sept	23	16	
Strike is beginning to hurt chemical producers	Sept	30	17	
Auto sales down 45%; chemical suppliers are hurting, too	Oct	14	21	
Canadian industries slowed by GM	Oct	21	23	
Talks go critical, raise concern among chemical makers	Nov	11	20	
GM walkout has cost suppliers a bundle (table)	Nov	18	44	
Settlements help ease U.S. auto suppliers' problems, but the outlook is still bleak in Canada	Dec	16	16	
Britain proposes new labor laws designed to cut down strikes	Oct	14	35	
British dock strike ties up exports and imports	N	July	22	10
Strike hurts ICI sales and Shell exports	N	July	29	27
Strike called off	N	Aug	5	18
"Brown lung" - Textile industry scored on "do-nothing" attitude on byssinosis	Dec	16	18	
Burlington Industries will raise the pay of 75,000 workers	N	Sept	9	9
Can-maker talks could affect labor picture for nonferrous metals	Nov	25	14	
Canada: pulp mills in B.C. are being struck	R	Sept	2	28
Canadian chemical producers are laying off employees and delaying new projects because of an economic slump	N	Aug	26	28
Chemical companies hold the line on employment (table)	July	29	17	
CPI going for bigger plants and better process in attempt to offset labor costs that are outpacing per-man output (chart)	Dec	16	13	
Contract settlements and employee layoffs	Oct	28	20	
Cooper Tire & Rubber's Findlay plant settlement	N	Nov	11	14
Costs, rising much faster than productivity of workers, is big problem	N	Oct	28	13
Dow: OCAW sights on Midland target	Dec	9	11	
Dow: striking lettuce workers threaten boycott of Dow products	Nov	11	21	
Dow's Rocky Flat, Colo., plant workers reject contract proposal to end strike	Sept	9	18	
Drug abuse: analytical labs are supplying mass screening services to help identify habitual drug users among potential employees	Dec	2	41	
Drug abuse: The drug problem is your problem - Viewpoint	Nov	4	5	
Drug abuse: firms seek answers to growing employee problem	Nov	4	66	
Du Pont trims employment at Deepwater N.J. plant again last week	Dec	16	17	
Du Pont will lay off 78 more workers at Spruance fibers plant	N	Nov	11	14
Du Pont of Canada trims staff	Nov	25	15	
Europe's chemical companies plan cut backs on personnel	N	Dec	16	37
Fiber makers lay off thousands as their market weakens	Oct	21	22	
Germany's labor pot boiling again	N	Oct	14	35
Glass and Ceramic Workers vote to increase strike benefits	Sept	9	18	
Hammermill Paper's Erie, Pa., plant ends strike	Sept	9	18	
Imco Gateway two-day strike settled	N	Nov	11	14
Inflation alert hints at wage-price action	Dec	9	13	
ICF discusses multinational action by labor	Nov	4	17	
International Chemical Workers Union convention in Cleveland: resolution passed giving union power to pull ICWU out of A.L.A.	Oct	7	20	
ICWU seeks representation on boards of multinational companies	Aug	5	28	
ICWU's Thomas Boyle: An old-line labor leader with up-to-date ideas	Oct	7	60	
International Paper's Southern Kraft Div. labor contract agreement	N	July	15	19
Italy's labor peace: can chemical industry avoid crippling strikes? (table)	Oct	7	39	
Government-unions agreement	N	Oct	14	35
Jackson, Miss. labor talks with three unions resume	R	July	1	18
Japan's chemical labor costs continue to rise	N	Oct	28	43
Japanese chemical industry labor costs up	N	July	29	27
Job-safety legislation	July	22	17	
Industry-labor battle shaping up				
Evidence that more people are injured on the job than statistics indicate expected to trigger a major floor fight over the occupational health and safety bill	N	Sept	2	32
MCA pushing a new job health and safety bill	Oct	14	22	
MCA bill defeated	N	Nov	25	9
Chemical companies call House version preferable	Dec	9	14	
Jobless rate up again	Aug	19	25	
JOBS program to make it easier for smaller companies to participate	Sept	9	17	
Labor tally: Koppers, Viscose settle; Allied, Wyandotte struck	July	8	19	
Layoffs now coming in the CPI will affect professionals and researchers more heavily than production workers	Dec	2	22	
Mohawk Rubber strike settlement at				

West Helena, Ark. R	Sept	23	19	Cabot denied Japanese patent rights on its oil-furnace carbon black process . . . N	Aug	19	97	Natural gas pipelines safety regulations set . . .	Aug	26	18
Monsanto cuts back	Dec	23	15	California Senate kills a bill to phase out lead compounds from gasoline sold in the state by '77 R	Sept	2	28	Safety bill draws barrage of union criticism	Oct	7	17
More minority hiring needed, Allied's James Spain tells at conference on education and training	Aug	12	9	Cereal investigation see Cereals				New Kern County Land Co. wins a \$17.7 million judgment; award represents the short-swing profit realized by Occidental Petroleum in its unsuccessful '67 attempt to acquire the predecessor Kern County Land N	Dec	16	10
'71 looks like an expensive year for chemical labor settlements	Dec	23	39	Chevron Oil fined \$1 million for failing to equip its oil wells in the Gulf of Mexico with storm chokes or similar safety shutoff devices N	Sept	2	17	N.Y. and San Francisco - Tough new air pollution control standards	Nov	25	16
OCAW has come up with 13 stiff "basic guidelines" for its upcoming negotiations. ICWU has similar guidelines	July	15	30	Chlorine contract bids may develop into a federal case for the six companies that submitted identical bids N	July	8	9	OPS trying to come up with a model law that would cover pipeline damage caused by so-called third parties R	Sept	16	23
Owens-Illinois reaches agreement on new contract	Oct	21	25	Cleveland: Refrigerant gas makers are hauled up on conspiracy charges	Sept	9	17	Clippopolis: FTC will investigate "Big Six" - chemical industry is one N	July	22	23
"Peril on the Job" new book, charges "excess" management concern with money, production and technology is responsible for many accidents in chemical companies N	Dec	2	13	Columbia Cellulose files suit against Du Pont based on claims of breach of contract and warranty, and negligence R	Sept	2	28	Pesticide bill hearings resumed R	Oct	14	22
Philadelphia: Eastern Labor Advisory Assn. and 11 local unions of the TU resume negotiations N	Nov	25	9	Consumer-product safety bill hearings N	Aug	26	20	Pesticides: producers ordered to reward labels on nine products R	Nov	11	21
Plant sites report: J.M. Winton. Labor cost figures for all 50 states (table)	Aug	19	73	Contraceptives: Four manufacturers of "the pill" are being sued in Detroit N	Dec	16	9	Pollution: States look to Supreme Court to settle sticky pollution cases	Dec	23	15
RR strike				Contraceptives: Ortho's Ortho-Novum and Searle's Enovid get favorable court ruling	Sept	30	17	Pollution suits in Texas: Goodyear Tire & Rubber settles Harris County water pollution suit; will install water treatment equipment at synthetic rubber plant in Houston; Arco Steel faces suit on Houston, Tex. plant N	July	22	10
Chemical shippers may face freight strikes and rate hikes (chart)	July	15	25	Dart Industries files suit against Ziegler patent in battle over polypropylene catalysts N	Aug	5	69	Pollution see also Air Pollution, Environment; Water Pollution			
Strike threatens chemical companies N	Sept	23	11	Dow: damages awarded for hydrochloric acid lost when barge sank in the Mississippi River in June '66 N	Sept	16	17	Power-plant site selection overhaul sought by White House	Oct	14	21
Contract agreements by Dec. 11 N	Nov	18	37	Du Pont files suit against Matador Chemical for damages to Sabine River Works caused by Matador explosion N	July	22	10	San Francisco pollution damage suit claims that pollutants caused the deaths of livestock N	Sept	9	9
May lead to setting up of a permanent standing committee to arbitrate unresolved contract disputes N	Dec	16	10	Du Pont seeking injunction to stop Eastman "infringing" upon patent use in processing polyester fibers for carpet and apparel R	Dec	9	14	Sprayed asbestos for fireproofing facilities: restrictive legislation	Sept	16	62
Shell Development scientists who voted to affiliate with the Marine Engineers Beneficial Assn. (MEBA) in April, are already unhappy about that decision	Aug	26	16	Du Pont's trade secret suit against professional photographers Rolfe and Gary Christopher for spying: court rules for Du Pont N	July	29	12	Stockpile disposal bills: Nixon signs bills for disposal of 17 stockpiled materials N	July	22	23
Spain's Bilbao area faces labor unrest as workers protest the trial of 16 Basque separatists N	Dec	23	31	Du Pont's Zorex see Antitrust				Sulfur would get import protection under a bill studied by Sen. Long N	July	29	23
Stauffer Hoechst charges bribery in union vote at Delaware City, Del. PVC film and sheeting plant	Dec	2	19	Eidib study speculates that detergent legislation may mean major changes in detergents N	Nov	18	100	Imports may be curbed by new bill (chart)	Aug	26	15
Stauffer's Niagara Falls, N.Y. strike settlements	Sept	9	18	Election '70 sets stage for new programs affecting chemicals	Nov	11	22	Tetracycline cases: Five major drug companies got a federal court okay to settle damage suits brought against them N	July	1	9
Steelworkers contract demands may cause massive steel strike next year: United Steelworkers 15th constitutional convention N	Oct	7	13	FDA expects Nader to bring battery of law suits within next three weeks N	July	15	20	Texas charges New Mexico cattle ranchers with pollution of Canadian River by spraying the hard pesticide toxaphene on range grass to kill caterpillars	July	15	25
Sterling Drug strike: union uses product boycott to bolster strike action	Oct	14	23	FDA see also Food & Drug Administration				Trade bill see Tariffs - Trade bill			
Stoneworkers Union to merge with United Steelworkers Jan. 1, '71 N	Nov	18	37	Georgia seeking legal action to get West Point-Pepperell moving on installation of pollution control equipment at its mill at Lindale, Ga. R	Aug	12	13	Trade quotas only spell trouble - Viewpoint	Aug	5	5
Textile giant, J.P. Stevens, bucks wage trend	Sept	16	24	Goodrich-Goodyear battle for control of Vredestein July 8-17	July	15	27	U.S. Court of Appeals R	Nov	18	46
Textile workers losing jobs because of increased imports, says the AFL-CIO TWUA N	Nov	18	37	Italian polluters may face criminal charges N	Dec	2	43	Urethane technology in the courts (table)	July	8	14
Textile Workers Union of America decide to launch an ad campaign in the South aimed at bringing wages into line	Sept	9	18	Job-safety legislation	July	22	17	Utah's rights to Great Salt Lake mineral bonanza get new support	Oct	21	24
Unemployment rate for Sept. up 5.5% caused by layoffs and walkouts in the CPI	Oct	14	23	Industry-labor battle shaping up				Vermont is suing New York and International Paper over alleged pollution laxity	Dec	16	18
Unionization: too great for professionals to resist?	Nov	18	48	Evidence that more people are injured on the job than statistics indicate expected to trigger a major floor fight over the occupational health and safety bill N	Sept	2	32	VAM: Bayer charges National Distillers with patent infringement	July	15	27
Unions will step up efforts to organize white-collar workers in the '70s says NCB	Aug	19	25	MCA pushing a new job and health safety bill	Oct	14	22	Water pollution: Federal 1899 pollution law may hurt more chemical companies	Aug	5	26
URW reaches contract agreement with tire makers	July	1	16	MCA bill defeated	Nov	25	9	Water pollution: Justice Dept. decision to restrict enforcement of 1899 Refuse Act to "accidental and infrequent" discharges of pollutants draws angry reactions	July	22	16
Wage hikes and rising prices of materials and equipment boost plant construction costs	Nov	25	28	Kay Fries Chemical's Stony Point plant indicted for pollution R	Nov	4	18	Water pollution: 1888 pollution law being used to help clean up N.Y.'s busy harbor	July	29	16
Wage settlements - May	Nov	18	45	Kimberly-Clark and Anson, Calif., pulp mill sued in river pollution	Sept	2	26	Lead			
"We need these skills and abilities" - Viewpoint	Sept	2	5	K-C charges slander and libel	Oct	21	26	Asarco will close Selby lead smelting and refining plant N	Aug	5	17
Wilmington, Del., ghetto tells chemical firms: "It's up to you". Meyer Lurie	Sept	2	37	Lead-in-gasoline and the law: U.S. Commerce Dept. panel recommendations for limiting lead-in-gasoline; new clean air bill may sharply restrict the government's powers to regulate lead	July	15	80	Lead-in-gasoline controversy see Gasoline			
Wyandotte's Geismar, La., plant strike: employees charged with beating two supervisors fired; union demands they be reinstated as a condition for settling the 3-month-old strike	Sept	9	18	Lead paint poisoning prompts a look into three bills to regulate the labeling and sale of such paints and help communities remove lead paint from old buildings	Sept	2	24	Gasoline			
Lamps - High-intensity discharge lamp that closely duplicates sunlight developed by GE N	Oct	14	41	The lobbyist: part trouble shooter, part messenger boy	Aug	26	36	Prices N July 15-66, N Aug 19-85 N	Sept	9	41
Lasers				Mercury: Ohio goes right to the top to sue Dow and Wyandotte over mercury discharges into Lake Erie	Oct	21	25	Prices: lead alkyls and TEL and TML	July	22	15
Brooklyn Poly researchers Ledermann and Widhopf find way to use a laser for rapid detection and measurement of air pollutants N	Aug	5	69	Mercury discharges fact tighter limits as U.S. moves to ban discharges by industry in 17 states	July	22	35	Called Lasurium for steam engines N	Dec	16	60
Tiny laser that operates continuously at room temperature can greatly increase capacity of communications systems N	Sept	9	55	Mercury pollution from Weyerhaeuser pulp mill at Longview, Wash.: Court review of efforts to control pollution put off indefinitely N	Dec	16	9	Leasing			
Latex - UC's paint latex plant at Alsip, Ill., under construction N	Oct	28	13	Mercury pollution see also Water Pollution				FTC will issue complaint against tire makers requiring end to leasing arrangements with bus companies N	Nov	11	14
Latin America - Occidental now owns Grace's Latin America vinyl holdings N	July	29	11	Mercury used treatment row: Nor-Am wins injunction against suspension of Panogen July 22-27	July	29	16	Interior Dept. proposal would grant sodium-mining leases in oil-shale areas to private companies	Dec	2	20
Law				USDA's right to ban sales upheld by U.S. Court of appeals R	Nov	18	46	Leningrad Pasteur Institute - Vaccine (three-in-one) against common measles, mumps and rubella developed N	Dec	23	23
Air Pollution Control Bill: lobbying efforts N	Sept	23	12	Merger-approval board idea being revived: Callies to introduce bill N	July	29	23	Liberia - World's leader in total carrying capacity of tanker ships registered	Nov	11	21
Muskie's bill draws fire of chemical and auto industries	Sept	30	16	Michigan Gov. Milliken may introduce an antitrust law that will ban sale of one-way bottles and cans R	Nov	25	16	Libya			
Air pollution irks MCA	Sept	16	24	Michigan's Milliken will sign first law giving citizens right to sue polluters	July	15	28	Confiscates property belonging to Italians and Jews N	Aug	5	80
American Bar Assn studying regulatory activities of governmental agencies concerned with plant location that pose "environmental problems" R	Oct	28	21	Muskie calls hearings on power crisis N	Aug	5	59	Continental Oil agreement regarding posted prices of crude oil and tax provisions R	Sept	30	17
Antitrust cases see Antitrust				Nader, Ralph, eyes studies of Du Pont, Justice Dept. and FTC	July	1	14	Methanol plant near Benghazi N	July	8	10
Bank-owning conglomerates: bill would permit about 30 with bank subsidiaries to continue making acquisitions without limit N	July	15	65	Gasoline				Retrochemical complex contract to Power-Gas	Oct	7	14
Britain proposes new labor laws designed to cut down strikes N	Oct	14	35	Regulated cargo N July 8-28	Dec	23	10	Lime - Pfizer plans capacity increase at Gibsonburg, O., plant N	Aug	26	11
British court rules in favor of General Tire in suit charging Firestone with patent infringement on oil-extended rubber N	July	15	80	Muskie calls hearings on power crisis N	Aug	5	59	Lithium			
								Armour's Armeen L-9 (2-amino nonane) plays a key role in a new lithium isotopic process N	Sept	2	90
								Chemical prices N	Sept	23	22
								Footo Mineral's Chairman Bliss sees			

steady growth	Nov	18	44	Americas	N	Sept	23	12	Rohm & Haas: F. Otto Haas, president moves up to chairman of the board; Ralph Connor becomes chairman of the executive committee	Aug	12	9		
Lithium Chloride - Great Salt Lake production pace quickens	Dec	9	45	Corco restructures its management setup in Puerto Rico		July	1	15	New president Vincent Gregory: He brings a global view to the presidency	Sept	2	106		
Lobbyist: part trouble shooter, part messenger boy	Aug	26	36	Companies give help to employees making political donations (table)		Oct	28	41	Royal Dutch/Shell considers itself in the top dozen chemical producers in the world; plans to double its investment in chemicals; studying the feasibility of shipping LNG from Nigeria to U.S. East Coast	N	Sept	30	24	
Lubricants				Cosden: You can be small - and profitable		Dec	2	48	The sales manager: not much change in 15 years - CW survey (charts)	Dec	9	35		
Automobiles: needed - products for under the hood	Aug	26	13	DeSoto, Inc.: George Nichols elected president succeeding Bernard Malm, who continues as chairman and chief executive officer		Dec	23	14	Shell moving out of NYC by mid-'71	N	Oct	21	17	
Heptanoic acid tariff may be imposed	N	July	15	65	Dow regroups research to focus on interdisciplinary science		July	29	40	Stauffer sees opportunities for growth in solving problems (chart)	Oct	14	49	
Jet-engine lubricant from Monsanto undergoing evaluation tests	R	Aug	5	27	Dow's DIG new director William Nummy: He's a reformed city boy who digs Midland		July	29	44	Sun Chemical's executive v.p. Edward Barr: A young man who's made it in the Establishment	Nov	4	72	
Sperm oil: Interior's listing of sperm whales as an 'endangered species' may cut off supplies of sperm oil for use as a lubricant		July	29	25	Drug abuse: The drug problem is your problem - Viewpoint		Nov	4	5	Tenneco reshuffles management set-up, consolidates functions	Oct	14	19	
Luxembourg				Drug abuse: firms seek answers to growing employee problem		Nov	4	66	Thiokol Chemical: Joseph Crosby resigns, will become chairman of the board's executive committee; replacing him president H.W. Ritchey and Robert Davis will take over as president and chief operating officer	Dec	23	14		
Du Pont will expand its Mylar plant	N	July	8	32	Du Pont, Pierre IV: Mr. du Pont goes to Washington		Nov	25	43	Thiokol's program for teaching and training the disadvantaged turns into new business	July	22	41	
L'Air Liquide's oxygen unit to supply steel company Arbed	R	Sept	2	85	Du Pont's vice-president Irving Shapiro: He found law easier than child's play		Sept	9	64	Ugine Kuhlmann reorganizing its chemical operations; sets up two new companies	Aug	5	84	
M				Eastman Chemical Products will form two new divisions	N	July	1	10	Union Carbide: A. Benedict Doran, v.p. and general manager of Chemical Div. - His mission: double division sales by '75	Dec	2	56		
Machinery - Orders for non-electrical machinery	R	Sept	2	28	Eastman Kodak's president, Gerald Zornow: Athlete-salesman makes the right decisions		July	1	48	USI: Closing in on the top 10	Sept	16	65	
Magnesia - Pfizer plant in Ireland	R	Oct	7	43	Enjay moving corporate headquarters to Houston, Tex.		Oct	14	19	Ventron: maturity brings push for performance in chemicals	Dec	16	63	
Magnesium - Ugine Kuhlmann-Pechiney will up production at Pyrenees mountain complex	R	Oct	7	42	Forrest-McKesson's president William Morrison: Haggins is weekends at his own ranch		Sept	16	78	'We need these skills and abilities'	Sept	2	5	
Magnesium Chloride - Great Salt Lake production pace quickens	Dec	9	45	Freeport Indonesia's president (v.p. of Freeport Sulphur): He's been a rock collector all his life		July	8	48	Goodrich, B.F. opens new world headquarters in Akron, Ohio	Oct	14	20		
Magnetics				General Tire & Rubber Chemical Plastics Div. vice-president and general manager James Hostetter: Salesman-coach now manages business team		July	22	48	Hercules changing its mix, gearing for sales of \$1 billion; W. Brown, new president and chief executive officer (charts & table)	July	15	37		
'Magnetic bottle'; Tokamak, may be key to controlling fusion reaction	Dec	23	27	Goodrich, B.F. opens new world headquarters in Akron, Ohio		Oct	14	20	Hoechst's chief executive Rolf Sammet: He knows how to get to the top	Oct	14	60		
Friskem, an electromagnetic screening device to foil aircraft hijackers	N	Sept	23	49	Hoover Ball and Bearing Co. - Self-help means more profit		Oct	21	23	ICI's new chairman will be Eric Callard	R	Nov	18	46
Maintenance				Costs moving upward: it costs 10 to 15% more each year to keep plants running (table)		July	29	29	ICI's Emil Finley - president: This Englishman found the going easier in U.S.	Aug	5	80		
Chemical companies seeking the best way to keep their process control computers in working order	Nov	4	59		Correction - letter		Sept	9	5	The lobbyist: part trouble shooter, part messenger boy	Aug	26	36	
PVC plant using a Sumitomo process to be built	N	Aug	5	80	Mallinckrodt's Thayer: Reiterates firm's goal of outpacing both industry, economy		Sept	23	17	3M management changes: Harry Heltzer to chairman of the board and chief executive officer; Raymond Herzog to president	R	Aug	19	27
Rubber tree growth stimulant promises big boost in latex yield	Aug	5	73		Mitsui Toatsu's Toshio Sueyoshi: Keeps his cool when going is rough		Dec	16	68	Mobil Chemical's president Ray Adam: A Texas oil man who's learned to live in the East	Aug	26	42	
Titanium dioxide plant at Perak planned	N	July	1	31	Monsanto's Block figures layoffs will help to trim costs \$20 million in '71		Dec	23	15	Monsanto's Bruno Janni and Guido Molteni resign	N	July	22	39
Maleic Anhydride					Montedison: Bruno Janni and Guido Molteni resign	N	July	22	39	Merz & Co. named to the chairmanship	N	Dec	23	31
Monsanto's plant in England will use Scientific Design process to boost capacity	N	Oct	14	14	Montedison's reorganization involves grouping into 10 divisions (table)		Oct	7	40	Nader, Ralph, eyes studies of Du Pont, Justice Dept. and FTC	July	1	14	
Petro-Tex plans additional capacity for Houston plant	N	Sept	2	18	Nader, Ralph, eyes studies of Du Pont, Justice Dept. and FTC		July	1	14	Natural gas companies' diversification into chemicals is losing its urgency as natural gas shortage impels major pipeline transmission companies to scurry for new reserves	Sept	30	13	
Malta - Westinghouse building desalting plant	R	Oct	14	22	Natural gas companies' diversification into chemicals is losing its urgency as natural gas shortage impels major pipeline transmission companies to scurry for new reserves		Sept	30	13	Needed: "no" men in high places - Viewpoint	July	1	5	
Management					New Jersey Zinc: Glenn Wilson elected president		Dec	23	14	Nuclear Fuel Service's president Robert Miller: A new coaching job for veteran of Little League	July	15	96	
Acquisitions and mergers see Industry Developments and individual company names in Company Index					Nuclear Fuel Service's president Robert Miller: A new coaching job for veteran of Little League		July	15	96	Ott Chemical's president William White Jr.: He likes the autonomy of a small company	Sept	23	58	
Alkoma's president and chief executive Cluise Ramsey: He keeps on top of his job and the world around him	Nov	11	56		Ott Chemical's president William White Jr.: He likes the autonomy of a small company		Sept	23	58	Pacific Vegetable Oil's board chairman Frederick Cartwright: An outspoken entrepreneur	Dec	23	48	
Alcoa puts an engineer on top; W.H. Krome George new president	July	1	15		Pacific Vegetable Oil's board chairman Frederick Cartwright: An outspoken entrepreneur		Dec	23	48	Petrofina plunging deeper into petrochemicals (chart)	Dec	2	47	
Alcoa's Eric Walker: He was graduated from the halls of Ivy to big business	Oct	21	104		Petrofina plunging deeper into petrochemicals (chart)		Dec	2	47	Plant manager: New challenges of dealing with the public are reshaping his role	Nov	11	45	
Alcohol and drugs - growing problems faced by management	Nov	25	16		Plant manager: New challenges of dealing with the public are reshaping his role		Nov	11	45	'Progressive management' survey: How would you rank them? - Behind the News	Oct	21	5	
Allied's F. Bissinger elected president of SOCOMA	Dec	9	13		'Progressive management' survey: How would you rank them? - Behind the News		Oct	21	5	Reichhold: On the recovery road	Nov	18	91	
Two new jobs for a heavy man	Dec	9	54		Reichhold: On the recovery road		Nov	18	91	Reichhold's Henry Reichhold board chairman, chief executive officer and general manager: Nearing 70 with no sign of letting up	Nov	18	134	
Allied's chairman and chief executive officer John T. Connor sees light at tunnel's end for sluggish giant	Aug	12	27		Reichhold's Henry Reichhold board chairman, chief executive officer and general manager: Nearing 70 with no sign of letting up		Nov	18	134	Remington Arms' vice-president and general manager Philip Burdett: He's no marksman, but he calls shots for top gun firm	Oct	28	56	
A critic of the war in Southwest Asia Allied's James Spain says more minority hiring needed, at AMA conference on education and training	Aug	12	36		Remington Arms' vice-president and general manager Philip Burdett: He's no marksman, but he calls shots for top gun firm		Oct	28	56	Retirement plans: changing climate may force management to take a closer look at 'portable' pension plans	Nov	11	31	
American Hoechst's Somerville, N.J. complex	Oct	14	19		Retirement plans: changing climate may force management to take a closer look at 'portable' pension plans		Nov	11	31					
AMA's activities in Japan will broaden	Sept	9	18											
Amoco-Avisom consolidation creates \$320-million chemical maker	July	8	41											
ARGO: A chemical arm with lots of muscle	Sept	2	57											
BASF's Bernhard Timm chairman of the board: Physicist, pilot zooms company to new heights	Aug	5	90											
BASF's executives tour U.S. operations: company reevaluating worldwide investment program, no major acquisitions plans seen	July	22	18											
BASF's U.S. operations may be consolidated	N	July	15	73										
BASF's Wyandotte Corp. new company comes into being Dec. 31	N	Dec	2	13										
Bank of N.Y.'s Don Wheaton, Jr. - Wall Street view: tough to borrow for pollution equipment	Sept	30	40											
Bear market has some advantages for chemical companies	July	1	25											
Black-owned Ascension Chemical: a chemical industry first	Nov	11	28											
BP will revamp its chemical operations	Nov	11	21											
Celanese's world headquarters to be built on N.Y.'s Avenue of the														

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Argentina: Dow considers Argentine partners for ethylene-based petrochemical project in Bahia Blanca	N	Aug	12	15	Occidental Petroleum's Maine refinery still possible	N	Sept	16	17	Canada boosts natural gas exports to U.S.	N	Oct	7	37
Agreement between Dow and state agencies	N	Sept	9	56	Oil quotas see Imports					Canadian NGL for U.S. approved	N	Sept	9	17
Argentina's slash in import duties worries chemical makers	N	July	22	16	Oil spills see Water Pollution					Cold water test: pipeline lowered into ocean in an attempt to produce an artificial upwelling of cold, deep ocean water	N	Aug	19	106
Argentine petrochemical outlook; \$600 million/year market by '75	N	July	8	34	Oilfines see Oilfines					Collins Pipelines pipeline will carry petroleum products from New Orleans area to Collins, Miss.	N	July	22	9
BP will revamp its chemical operations	N	Nov	11	21	Partial oxidation of fuel oil to hydrogen	N	Nov	11	41	Drawings by computer cut piping costs	N	July	15	75
Canada: Economic slumps stunts chemical growth (tables)	N	Nov	25	33	Pipelines in Texas and Wyoming will link oil and gas areas	N	July	1	18	DSM building pipeline to link VCM unit at Tensenderloo, Belgium with PVC plant at Beek, Holland	N	Oct	21	73
Du Pont's petrochemical refinery project off N Sept 23-12	R	Oct	7	19	Portugal seeks investors for oil refining and petrochemical buildup	N	Nov	11	38	Hooker will build pipeline to move brine from Wyoming County, N.Y. to its caustic-chlorine plant at Niagara Falls	N	July	8	40
Ecology favor sparks refinery building boom; could put pinch on aromatics propylene (table)	N	Nov	25	11	Public relations perks up oil image	N	Dec	2	19	Natural gas: research project to find out how feasible it is to bring natural gas from Alaska's North Slope and from northern Canada to central Canada and U.S. Midwest	N	July	22	23
Fatty acids see Fatty Acids					Quaker State Oil to construct a new refinery in Hancock County, W.Va. R July 8-20	R	Aug	5	27	Natural gas pipelines safety regulations set	N	Aug	26	18
France beefs up in key petrochemical products (table)	N	Sept	9	57	Sweden: Pipeline for carrying oil and petroleum products from Gothenburg to central industrial area - report due	N	Nov	18	113	Safety bill draws barrage of union criticism	N	Oct	7	17
Fuel shortages threaten raw material feed-stock supplies	N	Sept	23	11	Texas RR Comm. boosts state's allowable oil production in aftermath of hurricane Celia	R	Aug	19	27	Northern Natural Gas proposes natural gas line from Empress, Alta. to North Branch, Minn. to tie in with a third segment from Alaska	N	Aug	26	11
GE develops new techniques for process control	N	Oct	21	86	Trinidad: Occidental awarded oil exploration and production licenses	N	July	29	11	NNG's pipeline would bring as much as 508 million cu.ft/day of gas from Canada to the Northern Plains - FPC defers action	N	Dec	9	13
Hoover Ball & Bearing blazes its trail to success in chemical and plastics	N	Oct	21	23	UC may spin off all or part of its oil and gas holdings	N	Nov	11	14	OPS trying to come up with a model law that would cover pipeline damage caused by so-called third parties	N	Sept	16	23
Iranian petrochemical complex at Bandar Shahpur: Allied will sell its investment to National Petrochemical	N	Dec	16	37	United Refining: Tiny refiner expects to keep growing at a faster rate than that of the industry as a whole	N	Dec	23	16	to permit the use of plastic pipe for drainage in commercial buildings	N	July	1	15
Iranian petrochemical fertilizer complex at Bandar Shahpur dedicated	N	Nov	11	39	U.S. petroleum companies face chemical slowdown (chart)	N	July	22	15	SECT system rights licensed to Thermo Mfg. by Chisso Engineering	N	Nov	11	43
Israel petrochemical buildup continues: R Japan's Petrochemical Industries Assn. wants to ban foreign investments in five key petrochemical derivatives	N	Sept	2	87	Pharmaceutical Manufacturers Assn. - Birth control pill controversy with AMA	N	Aug	19	17	Solvay plans new pipelines	N	July	22	38
Japanese investments in Thailand may be jeopardized	N	July	8	31	Phenol					Sweden: Pipeline for carrying oil and petroleum products from Gothenburg to central industrial area - report due	N	Nov	18	113
N Complex in Thailand is a step closer to approval	N	Nov	11	39	Dow's new adsorption unit will recover phenol and brine from waste stream	N	Nov	4	60	Tenneco's natural gas pipeline system expansion plans	N	July	22	9
Japanese refinery and petrochemical complexes in China rejected	R	Oct	7	43	Dow withdraws special prices	N	Sept	16	58	Texas gas reserves to Dallas	N	Sept	30	17
Korea petrochemical building: \$220 million in new plants (map)	N	Dec	16	38	Ghana plans plant	R	Sept	2	87	Texas and Wyoming pipelines will link oil and gas areas	N	July	1	18
Korean complex will produce HDPE and VCM	N	July	8	33	Hercules' Gibbstown, N.J., phenol unit to close	N	Dec	16	45	Transcontinental Gas Pipe Line files application to build major interstate gas line in the newly developed areas off the Texas shore	N	Aug	19	18
Libyan complex contract to Power-Gas	N	Oct	7	14	Schenectady Chemical's p-tert-butyl and p-tert-octyl phenols plant	R	July	8	20	A 275-mile coal pipeline will take low-sulfur coal from Black Mesa on the Navajo Indian reservation in Arizona to Fort Mohave, Nev.	N	July	15	79
Oil companies face chemical slowdown (chart)	N	July	22	15	Union Carbide will double bisphenol A capacity at Penelas, Puerto Rico	R	Sept	9	20	Plant location				
Oil import quotas see Imports					World's first commercial aniline plant using phenol and ammonia as raw material built by Mitsui Petrochemical Industries at Chiba complex	N	July	22	39	American Bar Assn. studying regulatory activities of governmental agencies concerned with plant location that poses "environmental problems"	N	Oct	28	21
Petrofina plunging deeper into petrochemicals (chart)	N	Dec	2	47	Phillippines - Alkylbenzene plant near Manila	N	Nov	18	73	American Hoechst's Somerville, N.J., complex will include corporate headquarters, sales, research and manufacturing units	N	Oct	14	19
Portugal seeks investors for a buildup in petrochemicals	N	Aug	12	16	Phosphates					ICI seeking new production site in continental Europe	N	Sept	23	39
Russia to launch big petrochemical project with U.S. technology	N	Dec	16	15	Algerian phosphate enrichment plant using Fluosolids process	R	July	8	33	Plant sites report, J.M. Winton (charts, tables & maps)	N	Aug	19	51
SIR plans expansions in southern Italy	N	Oct	28	43	Coastal Chemical's sulfuric acid plant and a triple superphosphate unit at Pascagoula, Miss.	R	July	29	19	... to deal with pollution - Viewpoint	N	Aug	19	5
Spanish ethylene plant at Tarragona	N	Nov	18	73	Defluorinated phosphate prices	N	Sept	2	75	White House seeks overhaul of present power-plant site selecting	N	Oct	14	21
Sweden will boost output	N	Aug	5	79	Detergent phosphates see Detergents					Plants - Olin's Saltville shutdown: pollution control costs kill a plant	N	Aug	19	91
Taiwan's petrochemical industry getting top priority (map)	N	Oct	21	77	NAPCA awards contract to Chemico to study atmospheric emissions of plants that process phosphate rock	N	Aug	26	33	Plasma				
Turkey: Petkim planning complex in Izmir N Aug 5-79, Aug 12-16	N	Oct	14	35	Pennzoil's process to make potassium polyphosphates as ultrahigh-analysis fertilizer	N	Sept	9	55	"Magnetic bottle", Tokamak, may be key to controlling fusion reaction	N	Dec	23	27
Ugine Kuhlmann merger with Pechiney, petrochemicals will probably be eased out	N	Sept	30	24	Sales	N	Aug	19	85	Processing system dissociating zircon sand to a composition essentially 70% zirconia and 30% silica	N	Aug	19	97
USI: Closing in on the top 10	N	Sept	16	65	Sodium phosphates prices	N	Nov	25	21	Plastic Film				
Venezuela: El Tablazo petrochemical complex IVP to seek addition credits for construction	N	Aug	26	28	Phosphoric Acid					BASF process for laminating polyolefins to glass-reinforced polyesters	N	July	8	39
Waste-stream reuse: cost-cutting must for petrochemical plants	N	Oct	7	49	Austral Pacific Fertilizers buys liquid phosphoric acid from fertilizers	N	Aug	19	27	Du Pont and Mitsubishi possible polyester film venture in Japan	N	July	29	27
Correction - letter	N	Dec	2	5	Fosfatados Mexicanos	R	Aug	19	27	Du Pont making selective polyester film price cuts	N	Aug	12	21
Petroleum					Farmland Industries' unit adjacent to Bartow, Fla., phosphate plant	R	July	15	32	Du Pont will expand its Mylar plant in Luxembourg	N	July	8	32
API annual meeting: Oilmen told of need to spruce up image	N	Nov	25	14	Fosforico Espanol to up capacity	N	Aug	26	28	Ethyl plants polyolefin plastic films plant at Manchester, Ia.	N	Oct	28	13
Belgium hopes for steadier petroleum prices	N	Dec	9	20	Prices	N	Dec	16	45	Japanese biaxially oriented nylon film and biaxially oriented polypropylene film at Fuji plant	R	Aug	12	16
Blimps could make a comeback to transport natural gas and oil	N	Sept	16	23	Phosphoric Anhydride	N	Nov	25	21	LDPE film resin prices	N	Dec	9	41
Chevron Oil fined \$1 million for failing to equip its oil wells in the Gulf of Mexico with storm chocks or similar safety shut-off devices	N	Sept	2	17	Phosphorus - Dow believes that 80-85% of the waste water recycled in the U.S. is treated by plants that could be converted to eliminate nearly all the water's phosphorus content	N	Dec	23	16	Mexican PV butyral plant will have Japanese participation	N	Dec	2	51
Collins Pipelines line to carry petroleum products from New Orleans area to Collins, Miss.	N	July	22	9	Photography - Plastic "give-away" camera debut in fall	N	Aug	5	25	PE and PP film output boost by ICI in U.K.	N	July	1	31
Corco restructures its management setup in Puerto Rico	N	July	1	15	Snapshooter to be sold for about \$84	N	Nov	11	21	PP films prices	N	Sept	2	75
Conoco and Libya agreement regarding posted prices of crude oil and tax provisions	R	Sept	30	17	Phthalic Acid - Big new plants may upset the phthalic market, hurt prices, but an upswing in auto, home building could restore strength (chart)	N	July	1	29	Water cooling of blow PP film can cut 12.5% off the cost of conventional casting	N	Sept	2	89
Ecology favor sparks refinery building boom; could put pinch on aromatics, propylene (table)	N	Nov	25	11	Phthalic Anhydride					Plasticizers				
FPC considers "deregulation" of gas prices	N	Aug	5	24	C-E Lummus will engineer Finnish plant based on BASF process	N	Sept	16	25	Epoxy plasticizers prices	N	Sept	2	75
Fuel shortages threaten raw material feed-stock supplies	N	Sept	9	5	Prices	N	Aug	26	27	FMCS triisopropylphenyl phosphate, new entry in flame-retardant vinyl plasticizer market	N	Oct	28	28
Gulf will increase its stake in Korea Oil	N	Sept	23	11	Pigments									
Humble's Linden, N.J., blast alters supply lines	N	Dec	16	17	Geigy expands Paisley organic pigments plant near Glasgow, Scotland	N	July	22	38					
Isobutane cracking for petroleum refiners Israel's oil refinery near the Gaza Strip	N	Sept	2	87	National Lead's titanium pigments capacity upped at Langerbrugge, Belgium	R	Sept	16	25					
Italy's petroleum product supplies drop seen in '71	N	Nov	25	32	plant	N	Dec	9	41					
LPG price	N	Aug	19	85	Titanium dioxide pigment prices	N	Dec	9	41					
Marathon Oil up crude oil processing and gasoline capacities at Robinson, Ill., refinery	R	Oct	21	26	Piping									
Mobil's Alaskan North Slope oil production: insulated oil well system will protect the permafrost	N	July	29	11	Alaskan oil: ways to ship North Slope oil studied	N	Sept	2	23					
Naphtha cracking: new route for making synthetic natural gas	N	July	8	30	Alberta Gas Trunk Line expects to file preliminary application with NEB to build natural gas pipeline from Arctic	N	Nov	4	10					
Newfoundland Refining's plans are set for financing new refinery	N	Nov	4	17	Arkansas Louisiana Gas will build a pipeline from Texas Panhandle across Okla. to Wilburton, Okla.	N	Nov	11	23					
					Borg-Warner's plastic pipe plant in Vernon, Calif., closed	R	Dec	23	18					
					Buckeye Pipeline may undergo a full-scale investigation by Ohio PUC	N	Aug	19	18					
					Canada: Consolidated Natural Gas reapplies to NEB for permission to build pipeline	N	Nov	4	10					

Phthalate plasticizers prices N Sept 23-22	N	Dec	9	41	Price of standard-grade resins	N	Nov	4	24	ject	N	Dec	9	49					
Soybean oil epoxide plasticizers prices	N	Aug	26	27	Polychlorinated biphenyl - Monsanto will no longer market PCB as a plasticizer or as a hydraulic fluid	N	July	22	9	Water-degradable polymers: Organic acids that can be polymerized then slowly degraded are basis for packages, controlled-release pesticides, drugs	N	Sept	2	65					
Plastics					Poly (dioxethylene methacrylate) - Bausch & Lomb to seek approval to market Solfens hydrophilic contact lenses	N	July	22	34	Wax polymer blends prices	N	Nov	25	21					
ABS: a clear grade of ABS from Borg-Warner available	N	Nov	4	63	Polyelectrolytes - Synthetic polyelectrolytes, used at two municipal treatment plants, get good sludge-handling marks	N	Oct	14	45	Polyolefins									
ABS: Monsanto European capacity upped; company will build a 100-million-lb/yr plant in Antwerp	R	July	29	19	- letter	N	Nov	11	5	BASF process for laminating polyolefins to glass-reinforced polyesters	N	July	8	39					
ABS: Monsanto's plant at Antwerp	R	Oct	14	38	Polyesters					Ethyl plans PO plastic films plant at Manchester, Ia.	N	Oct	28	13					
ABS wraparound for Citroen-Mehari run-about	R	Aug	12	9	Air safety bags: four man-made materials under consideration	N	Sept	23	11	Furniture market (table)	N	Sept	30	23					
Acetal resins set for fast growth, competition from overseas (chart & tables)	Aug	5	63	America's Cup: Pace-setter for boating chemicals	N	Sept	9	48	Polypropylene										
Airplane, the Eagle, makes commercial debut	Oct	7	16	BASF process for laminating polyolefins to glass-reinforced polyesters	N	July	8	39	Australian PP fabrics plant	R	Dec	2	22						
Barex used in Pepsi-Cola's plastic bottle	N	Nov	4	64	Colombian fiber firms boost polyester output, plan flake making	N	July	8	33	Bottle competition shapes up: Phillips' "Orbit" process "66" bottles; Dart's Rexene's new PP copolymer	N	Dec	9	10					
Boats: plastic-hull target boats for U.S. Navy	R	Sept	16	25	Du Pont and Mitsubishi possible polyester film venture in Japan	N	July	29	27	Continuous-filament PP unit at Terni, Italy	N	Nov	18	74					
Camera: plastic "give-away" camera made of injection-molded, high-impact PE and acrylic plastic lens, to debut in fall	Aug	5	25	Du Pont's Mylar plant in Luxembourg will be expanded	N	July	8	32	Co-spun PP filter material - ACS meeting	R	Sept	23	46						
Snaphooter to be sold for about \$60	Nov	11	21	Du Pont seeking injunction to stop Eastman "infringing" upon patent used in processing polyester fibers for carpet and apparel	R	Dec	9	14	Dart Industries files judgment on Ziegler patent in battle over polypropylene catalysts	N	Aug	5	69						
Construction: Big job for plastics as home-building boom begins (chart)	Dec	9	9	Du Pont of Canada postpones Morrisburg, Ont., fiber plant N July 22-39	N	Aug	26	28	Eso Chemical Canada polypropylene plant at Sarnia postponed	N	Aug	26	28						
FRP, wood or aluminum for recreational vehicles	July	15	56	Esterification of terephthalic acid with ethylene oxide process	N	Nov	11	41	The gift package: glittering market for chemicals	N	Dec	16	27						
Flame-retardant plastics prices	N	July	8	28	Fiber prices	N	Nov	11	27	Hoechst plans expansions despite worldwide leveling in plastics demand	Dec	9	39						
Foam see Foams					Furniture market (table)	N	Sept	30	23	Indonesian plant planned	R	Oct	7	43					
Formica's Cincinnati, O., plastic laminates plant to be phased out N Dec 9-7	R	Dec	16	18	Hoechst expansion program at Brasilia de Sintercos' plant	R	Nov	11	23	Italian plant at Terni	R	Sept	2	85					
Furniture is now the fourth-largest user of plastic materials (table)	Sept	30	22	Japan's fiber and textile makers are mapping sizable expansions (table)	Sept	2	85	Japanese plant at Kawasaki	R	Oct	7	43							
Glass-fiber-reinforced tank made in one big piece	Aug	5	25	Japan's Teijin sells rights to polymerization catalyst to ICI	N	July	8	39	Korean plant	R	Dec	16	38						
Hoover Ball and Bearings blazes its trail to success in chemicals and plastics	Oct	21	23	Korean plant and polyester fiber unit in Taegu	R	July	29	26	Pro-fax PC-072 modified PP resin prices N	N	Dec	2	35						
Hunting market: nylon gun, polyethylene shells, plastic bows and arrows	Oct	28	38	Polyester-cotton blends and straight polyester fabrics may force reformulation of heavy-duty detergents	N	Nov	18	100	Water cooling of blow PP film can cut 12.5% off the cost of conventional casting	N	Sept	2	89						
ICI process injection-molds stiff plastic over foamed core; auto market is first target	Sept	23	53	Recreational vehicles market	N	Nov	25	21	Polypropylene Glycol Ethers - Australia's first plant at Altona to be built	R	Oct	21	26						
Japan's exports of plastics increase in first half '70	N	Nov	4	49	Teijin develops new approach to making polyester for fibers	N	Nov	25	27	Polystyrene									
Methacrylate's future: color it bright as brightly colored signs and tinted glazing catch on, boost sales	Sept	2	79	Polyethylene						BASF halts construction of Antwerp unit	N	Dec	2	51					
N.Y. City litter to wind up in the (plastic) bag	Sept	16	25	ABCO unit onstream at Ragusa, Italy	R	Nov	18	74	Camera made of injection-molded, high-impact polystyrene and acrylic plastics lens to debut in fall	Aug	5	25							
'71 autos: Maxi or mini - plastics win either way	Aug	26	12	Dow's PE pellets to replace the hay normally used to supply roughage for cows	N	July	29	33	Snaphooter to be sold for about \$60	Nov	11	21							
Nondegradable plastic litter: Here's what's happening	Sept	9	15	French production increased	N	Aug	5	79	Cosden Oil's Calumet City, Ill., plant now going full production	N	Oct	14	28						
Pipes: Houston city council votes to permit the use of plastic pipe for drainage in commercial buildings	July	1	15	HDPE plant in Rumania	R	Aug	8	34	French production increased	N	Aug	5	79						
Processes: U.S. engineers reveal new process for Epsan, a rival for ABS; Japanese tell of new routes to PVC and polycarbonate	Aug	5	43	HDPE prices N Nov 4-24	N	Dec	2	35	Furniture market (table)	N	Sept	30	23						
Sales increases as a result of flag boom	July	29	36	Hoechst plans expansions despite worldwide leveling in plastics demand	Dec	9	39	Modified with EPT will be marketed by Mitsui	N	Dec	2	43							
"Self-destruct" plastic container from Great Britain	July	29	34	Hunting market: shot shells and wadding	Oct	28	38	Recreational vehicle market	July	15	56								
Sweden will boost output in plastics and plastics raw materials	Aug	5	79	ICI plans plant at Fos, near Marseilles N	Nov	11	27	SPC Polymers expanding its Houston plant	N	July	29	12							
Toray Industries plans new plants	N	July	22	39	LDPE prices N July 22-24; N Sept 2-75	N	Dec	9	20	Polyvinyl Acetate - Seamless floors: Contractors and suppliers seek to rebuild a sagging market	Nov	18	96						
USI: Closing in on the top 10	Sept	16	65	Sept 16-24, N Nov 4-24	N	Nov	11	27	Polyvinyl Butyral - Mexican plant will have Japanese participation	N	Dec	2	51						
Urethane foamed plastics spurs chemical expansion plans (table)	July	8	13	Plastic film see Plastic Film	Sept	16	24	Polyvinyl Chloride											
Worldwide growth slows	Dec	9	39	Power-Gas	N	July	8	40	Belgian PVC modifiers in Geel	R	Dec	16	39						
Plastics see also specific plastic				Licensed by CSE	N	July	22	33	Bottles prices	N	Aug	12	21						
Plating - Du Pont process for removing cyanide from zinc electroplating rinse water	N	Nov	18	113	Sweden will boost output	N	Aug	5	79	Diamond PVC pellet compounds at Delaware City, Del.	R	Sept	9	20					
Poland - Scientists develop economical heavy water process using a distillation technique	N	Aug	26	33	Polyisobutylene - BASF process for laminating polyolefins to glass-reinforced polyesters	N	July	8	39	DSM will boost plant capacity	R	July	22	38					
Polishes - Henkel licenses technology to produce a floor cleaning and polishing emulsion called Tuklar to the Russians	N	July	15	73	Polyisocyanurate - Foam with additives coating to protect airplanes from on-the-ground fuel fires following a crash tested	Oct	21	26	DSM building pipeline to link VCM unit at Tessenderloo, Belgium with PVC plant at Beek, Holland	N	Oct	21	73						
Polymers					Polyisoprene - Japan grants permission for Goodyear's PI joint venture	R	Dec	2	52	French production increased	N	Aug	5	79					
Companies give help to employees making political donations (table)	Oct	28	41	Polyitaconic Acid - Sulfopolycarboxylic acid detergent, Citrex, is probably sulfonated polyitaconic acid	Dec	2	35	Furniture market (table)	N	Sept	30	23							
Du Pont, Pierre IV: Mr. Du Pont goes to Washington	Nov	25	40	Polymeric isocyanates - Mobay's urethane complex on site near Cedar Bayou, Tex., planned	July	15	27	General-purpose PVC resin prices N Nov 4-24	N	Nov	11	27							
Election '70: voters in industrial states may impose new taxes, tougher anti-pollution rules; new Congress is likely to be more conservative, even if Democrats hold reins	Oct	28	17	Polymerization					Goodrich demonstration plant at Fredricktown, N.J., to prove out chemical-biochemical technique for treating PVC wastes	N	July	1	39						
Election '70 sets stage for new programs affecting chemicals	Nov	11	22	CO ₂ initiation; secret to successful nylon-4 polymerization	Sept	16	67	Hoechst plans expansions despite worldwide leveling in plastics demand	Dec	9	39								
Elections no landslide for CPI	Nov	18	45	Peroxyl initiators reduce cycle times	Aug	5	53	Hungarian plant	N	Sept	9	56							
Interior Secretary-elect Morton: A switch in pollution sentiments may be in order	Dec	9	14	Polymer processes: U.S. engineers reveal new process for Epsan, a rival for ABS; Japanese tell of new routes to PVC and polycarbonate	Aug	5	43	Japanese firms will help build PVC pipe plant for Dominican Republic's Tuberas y Materiales Plasticos	N	Aug	5	80							
Tory victory in British elections: the impact on business	July	1	14	Teijin sells rights to a new polymerization catalyst to ICI	N	July	8	39	Netherlands plant to be built by BICM	N	Aug	22	38						
Polyacetals prime for big future (chart & tables)	Aug	5	63	Polymers					Polymer processes: Japanese tell of new routes to PVC and polycarbonate	Aug	5	43							
Polyacrylate - Ion-exchange resin is used to take up the gold in aqueous solutions	N	Sept	30	31	Cyanamid's XT polymer prices	N	Nov	18	100	Poromeric Materials - Shoe uppers: Du Pont's new poromeric entry Corfam II	Nov	11	34						
Polybutene - Chevron uses polybutene amine, F-310, to cut auto exhaust emissions; FTC disputes advertising claims (chart)	Oct	7	46	Korean plant and polyester fiber unit in Taegu	R	July	29	26	Portugal										
Polycarbonates					Phosphonitrilic polymers will be the subject of a development and marketing effort	N	Sept	2	89	Amionaco Portugal seeking approval for expansion of Estarreja complex; CUF asks permission to build acrylic fibers plant at Barreiro	Oct	14	38						
GE's Lexan project expansion at Mt. Vernon, Ind.	N	Nov	4	9	Polyelectrolytes see Polyelectrolytes					Foreign capital investment in oil refining and petrochemical sought	Nov	11	38						
GE's Lexan will be used on Chaparral 2J racing car	July	22	16	Polymerization see Polymerization						Hoechst building pharmaceutical plant and expanding plastics dispersion capacity at Mem Martins	R	Nov	18	74					
Polymer processes: Japanese tell of new routes to PVC and polycarbonate	Aug	5	43	Polyphenylene sulfide new polymer - ACS meeting	Sept	23	46	Hoechst will move its headquarters from Porto to Mem Martins	R	Nov	18	74							
					Polywater - fact or fiction? Here's the inside story	July	1	34	Petrochemical units planned	R	Aug	12	16						
					Processes: U.S. engineers reveal new process for Epsan, a rival for ABS; Japanese tell of new routes to PVC and polycarbonate	Aug	5	43	SACOR bidding to build Portugal's third refinery and adding aromatics units	Aug	12	16							
					Sales increases as a result of flag boom	July	29	36	Potash										
					Self-destructing synthetic fibers? Scott of Univ. of Aston working on the pro-					Canada: Saskatchewan's new potash production quotas	July	1	27						
										Canadian shipments moving between Saskatchewan and Vancouver get new rates	N	Nov	18	99					

Cominco's mine at Vanscoy, Sask. closed by flooding	Sept 9	41
A long shutdown?	Nov 18	99
Japanese potash buyers and Saskatchewan agree on purchase plan	Aug 5	60
Negotiating over minimum floor prices	Oct 28	27
Texas Gulf thinks solution mining may be answer to problems of mining potash from Cane Creek mine	July 22	33
Trend is up for chemical prices	July 15	32
Potash Alum - Prices	Dec 16	45
Potassium Polyphosphates - Pennzoil's process to make potassium polyphosphates as ultrahigh-analysis fertilizer	Sept 9	55
Potassium Sulfate - Great Salt Lake brine tap begins with potassium sulfate shipment	Dec 9	45
Poultry Feed - Additives build better animals for the dinner table	Dec 2	26
Powder Metallurgy - Hot forging of pre-formed parts and superalloys discussed at third International Powder Metallurgy Conference	July 22	29

Power

Canada: Nuclear complex in Ontario includes heavy-water plant vital to Canada's role as a supplier of power facilities	July 1	40
'Ecology power' is turning off electric power: rates must rise to improve reliability	Aug 19	21
'Magnetic bottle', Tokamak, may be key to controlling fusion reaction	Dec 23	27
Muskie calls hearings on power	Aug 5	59
Plant sites report, J.M. Winton State-by-state comparison of industrial power costs (table)	Aug 19	58
Power-plant site selection overhaul sought by White House	Oct 14	21
Power study spells out the obvious - the need for more	Oct 7	18
Worldwide distribution network proposed by G. Seaborg of AEC	Aug 19	24

Prices

Chemical prices cling to the floor, but costs hit the ceiling (chart)	Nov	18	41	
- letter	Dec	16	5	
CW price index shows signs of rising prices	N	July	22	24
China's stock prices and indexes (table)				
July 1-24, July 8-22, July 15-34, July 22-20, July 29-22, Aug 5-32, Aug 12-14, Aug 19-28, Aug 26-19, Sept 2-30, Sept 9-22, Sept 16-28, Sept 23-20, Sept 30-18, Oct 7-24, Oct 14-27, Oct 21-28, Oct 28-23, Nov 4-19, Nov 11-25, Nov 18-52, Nov 25-19, Dec 2-24, Dec 9-16, Dec 16-20	Dec	23	21	
Discount pricing: efforts to eliminate are intensifying	N	Sept	16	58
Dow's Williams' preview and outlook appraisal of chemical tags	N	Sept	2	17
Grace documents fertilizer price-cost gap by systems analysis (chart & tables)		Sept	2	92
Inflation alert hints at wage-price action		Dec	9	13
Quarterly tabs turn up		Sept	16	24
Raw-material price drops won't mean much while other big operating costs keep rising (chart)		July	22	13
Trend is up for chemical prices		July	15	32
Prices also see specific chemical, commodity etc.				

Process Equipment

ACHEMA extra: final coverage of world's biggest equipment show	July 1	11
CIL develops stainless steel cooler for sulfuric acid plants	Oct 14	41
Centrifuges - report, Kenneth Brooks	Sept 16	33
Chemshow Japanese style	Sept 30	28
GE develops new techniques for process control	Oct 21	86
Process equipment control business report	Sept 23	19

Production

Administration appoints commission to promote productivity	July 22	15
CPI going for bigger plants and better processes in attempt to offset labor costs that are outpacing per-man output (chart)	Dec 16	13
Labor costs, rising much faster than productivity of workers, is big problem	Oct 28	13
Operating rates are slipping - McGraw-Hill Economics Dept. report (table)	Nov 4	18
Organic chemicals: some boomed in first quarter '70, but output of others was down	July 1	28
Russian production gains	July 8	31

Propane

Explosion of liquid propane tank cars nearly wipe out Crescent City, Ill.	July 1	18
St. Louis city-owned vehicles may be running soon on propane instead of gasoline	Nov 18	38
Propellants - Hydrocarbon aerosol propellants prices	Dec 16	45

Propylene

Ecology fervor sparks refinery building boom; could put pinch on aromatics, propylene (table)	Nov 25	11
Fluorinated propylene HFP (hexafluoro-		

propylene) going commercial	July 29	33
Oxirane direct-oxidation - propylene and pollution - letter	July 15	16
Sun Oil's East Coast olefins plans shelved	Dec 9	7
Propylene Glycol Ethers - Australia's first plant at Altona to be built	Oct 21	26

Proteins

Dipeptidyl aminopeptidase can take apart proteins by starting at the head of the protein chain and removing two amino acids at a time	Aug 12	33
FPC: Japanese company is interested in taking half of Canso, N.S., plant output	Nov 4	49
Food conference focus: new sources and kinds of future foods	Aug 12	32
Foremost Foods develops a high-protein whey concentrate and solves a pollution problem at the same time	Nov 25	27
Louisiana State Univ. chemical-microbial pilot plant at Bay St. Louis, Miss., using cellulose waste to make protein animal feed	July 8	26
Synthetic protein plant in Japan	Dec 16	40

Public Relations

Nader, Ralph, eyes studies of Du Pont, Justice Dept. and FTC	July 1	14
Oil companies are intensifying efforts to improve their public image	Dec 2	19
Oilmen tell of need to spruce up image at API annual meeting	Nov 25	14
Plant manager: New challenges of dealing with the public are reshaping his role	Nov 11	45
'We need these skills and abilities' - Viewpoint	Sept 2	5
Wilmington, Del., ghetto tells chemical firms: "It's up to you" Meyer Lurie	Sept 2	37
Publisher's Page - A lively time with the environment, Paul F. McPherson	July 8	5

Pulp

API's annual meeting: Pulp and paper-makers can expect a "higher level of business" in residential construction	Nov 25	16
Brazil will get a new paperboard mill on the Rio Negro, at Tres Barras	July 1	10
Canadian International Paper's alkaline sulfite pulping process will yield pulp at least as strong as sulfate pulp, without the usual strong odors	Aug 26	31
Japan to have world's first commercial synthetic wood-pulp plant	Dec 16	37
Kimberly-Clark and Anderson, Calif., mill sued in river pollution	Sept 2	26
K-C charges slander and libel	Oct 21	26
Newfoundland Refining will build pulp mill	Nov 4	17
Nitric acid pulping process may get try-out in Oklahoma	July 15	79
Potlatch Forest plans to improve the quality of air and water at its pulp mills	Sept 30	11
Silvchem process updates old idea, could turn wood waste into a major raw material for sorbitol and other chemicals	July 29	30

Purchasing

Buyers predict upturn	Dec 16	18
Computer data services help companies find markets, customers	Dec 16	49
Military buying of CPI products is dropping	Nov 18	49
President Nixon's order would make public all information compiled and used by the government in its purchase of nondefense products	Nov 4	17
Pyrethrum - Penick's SBP-1382 bug killer will be tough rival for pyrethrum	Sept 23	45

Q

Quartz - Seamless floors: Contractors and suppliers seek to rebuild sagging market	Nov 18	96
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R

Radiation - International Nutronics' isotopic gamma radiation unit near Los Altos, Calif. is doing a bustling business	July 29	18
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Railroads

Chemical shippers may face freight strikes and rate hikes (chart)	July 15	25
Companies are diverting shipments from rails to barges and expanding their truck fleets	Oct 14	17
Liquid propane tank cars explode in derailment, nearly wipe out Crescent City, Ill.	July 1	18
Railroads seek 15% hike in freight rates, may lose customers	Sept 2	25
Strikes	Sept 23	11
Threats concern chemical companies	Nov 18	37
Strike threatened if there are no contract agreements by Dec. 11	Nov 18	37

May lead to setting up of a permanent standing committee to arbitrate unresolved contract disputes	Dec 16	10
Ramsey, Claude - Alkzona's president and chief executive: He keeps on top of his job and the world around him	Nov 11	56
Rapeseeds - Food conference focus: new sources and kinds of future foods	Aug 12	32
Rayon - The gift package: glittering market for chemicals	Dec 16	27

Reactors

AEC of Canada purchases heavy water from Sweden's inoperative Marviken reactor	Sept 16	68
BASF nuclear reactor license for Ludwigshafen still sought	Aug 26	28
Canada: Nuclear complex in Ontario includes heavy-water plant vital to Canada's role as a supplier of power facilities	July 1	40
LMFBR contract to Combustion Engineering	Sept 16	68
Molten salt reactor technology study to assess the potential of developing low-cost heat source for large power plants	Aug 19	97
Recreation - Camping specialties: a boom in back-to-nature	July 15	56
- letter	Aug 12	5

Refining

Canada: Newfoundland Refining's refinery deal is set	Nov 4	17
Conoco's U.K. refinery at Immingham contract price to be boosted	Aug 19	97
Du Pont's petrochemical refinery project off	Sept 23	12
Ecology fervor sparks refinery building boom; could put pinch on aromatics, propylene (table)	Nov 25	11
Japanese refinery and petrochemical complex in Chiba rejected	Oct 7	43
Occidental Petroleum's Maine refinery still possible	Sept 16	17
United Refining: Tiny refiner expects to keep growing at a faster rate than that of the industry as a whole	Dec 23	16
Waste reprocessing: doomed by lead-free gas? Process changes at refineries may hurt profitable spent caustic to cresylic reprocessing	Dec 23	33
Refractory products prices	Aug 19	85
Refrigeration - Cleveland: Refrigerant gas makers are hauled up on conspiracy charges	Sept 9	17
Reichhold, Henry - Reichhold's board chairman, chief executive officer and general manager: Nearing 70 with no sign of letting up	Nov 18	134
Rental Service - Drawings by computer cut piping costs	July 15	75

Research

Aspirin: Merck tests new pain killer	July 15	51
- letter	Sept 30	5
Atomic energy to convert solid wastes into useful products - ACS meeting	Sept 23	46
Battelle's Columbus Labs' forecast shows there will be fewer real dollars for R&D in '71	Dec 23	23
CO ₂ initiation: secret to successful nylon-4 polymerization	Sept 16	67
Chemicals in search of a market - descriptions and suggested uses are given for hundreds of developmental chemicals	Oct 28	538
Cherson uses polybutene amine, F-310, to cut auto exhaust emissions; FTC disputes advertising claims (chart)	Oct 7	46
Clinical research crisis, so essential to new-drug development, seen as result of new FDA rule	Oct 21	88
Cold water: pipeline lowered into ocean in an attempt to produce an artificial upwelling of cold, deep ocean water	Aug 19	106
Collembola and the soil mite thought to produce an enzyme that degrades DDT to its derivative DDE	Sept 9	15
Computer time-sharing system set up to search and match curves produced by infrared spectroscopy	Sept 2	65
Converting coal into liquids	Oct 21	88
Co-spun polypropylene filter material - ACS meeting	Sept 23	46
Delphic study predictions	Nov 25	21
Dow regroups research to focus on interdisciplinary science	July 29	40
Drug testing: FDA's demands for proof of efficacy of older products is cutting down time that overburdened chemical researchers can spend on testing new drugs	Dec 2	39
Fitchburg develops no-copy paper for use with special ink to prevent the reproduction of newsletters and other documents for limited distribution	Nov 18	110
Food conference focus: new sources and kinds of future foods	Aug 12	32
Government-supported basic research may get additional funding next year	Oct 28	20
Interior Dept. plans to phase out coal research next year	July 1	19
Japan's chemical industry to boost R&D	Sept 2	81
Lake Erie: "Project Hydrop" study aimed at finding out why the lake's oxygen supply is being rapidly depleted	Aug 26	33
Liquid membrane technique for difficult mixture separations - ACS meeting	Sept 23	46

"Magnetic bottle", Tokamak, may be key to controlling fusion reaction	Dec	23	27	xanthides	N	Nov	11	43	"excess" management concern with money, production and technology is responsible for many accidents in chemical companies	N	Dec	2	13				
MIT's April and Hume work up a way to measure mercury in parts per billion	N	Dec	2	44	Japanese alfin rubber plant at Goi	R	July	8	34	Pipeline safety see Piping							
Michigan biochemists suggest new way to kill insects: Starve them of cholesterol	N	Dec	16	60	Japanese Geon rubber capacities boost	R	July	29	26	Pollution control see Air Pollution, Environment, Water Pollution							
NAS report says the nation is in for a health-care crisis by the turn of the century unless biomedical research is adequately funded	N	Dec	9	50	Natural rubber growth stimulation: Ethrel ethephon can as much as double yields of trees already in the ground	N	July	29	34	UC takes steps to prevent another olefin complex fire	N	Sept	23	18			
NASA researchers devise a way to make water and oxygen from lunar soil	N	Dec	2	43	New way to hypo natural rubber yield	Aug	5	73	Salicylic Acid - Prices	N	Sept	2	75				
National Committee of Consultants on Cancer set up to assess the nation's research effort and to speed it up	Aug	5	24	Polysoprene synthetic rubber plant at Le Havre, France, planned	N	Oct	28	14	Salt								
"Natural" pesticides: still far from the market	Aug	19	98	Silicone rubber prices	N	Nov	25	21	AKZO plant at Delfzijl, Holland	R	July	8	33				
Natural rubber growth stimulation: Ethrel ethephon can as much as double yields of trees already in the ground	N	July	29	34	U.S. makers can look forward to a record year in '71	Dec	2	21	Argentina: Tata plans Solvay-process sodium carbonate plant	N	Nov	18	73				
Olin's researchers being tuned in to business aspects with an aim to improving their productivity	Oct	14	54	Rubber Manufacturers Assn. - Ormsby projects tire shipments	Dec	2	21	Australian salt for the chemicals of Japan	Oct	14	22	38					
Penic's SPR-1382 bug killer will be tough rival for pyrethrum	Sept	23	45	Rubber Research Institute of Malaysia: Growth stimulant: new way to hypo natural rubber yield	Aug	5	73	French vacuum salt plant planned	R	July	8	20					
Polish scientists develop economical heavy water process using a distillation technique	Aug	26	33	Ruckelshaus, William D. - EPA's new head: Golden opportunity for leadership - Viewpoint	Nov	18	5	Hooker will build pipeline to move brine from Wyoming County, N.Y., to its caustic-chlorine plant at Niagara Falls	N	July	8	20					
Polymer coating for pesticides will be tested	July	8	21	letter	Dec	16	5	Utah's rights to Great Salt Lake mineral bonanza get new support	Oct	21	24						
Polyethylene sulfide new polymer - ACS meeting	Sept	23	46	Protection chief will be hard on industrial polluters	Nov	18	46	Sammel, Rolf - Chief executive of Hoechst: He knows how to get to the top	Oct	14	60						
Polywater - fact or fiction? Here's the inside story	July	1	34	Rumania				Scotland - Geigy expands Paisley organic pigments plant near Glasgow	R	July	22	38					
Prostaglandins: '70s panacea?	Oct	28	45	HDPE plant using Mitsui technology to be built	R	July	8	34	Sedimentation - Centrifuges - report	Sept	16	33					
Red tide: An important clue to the formation of red tide turned up	Dec	2	43	U.S. investments sought; FMC-government joint venture is possible	Oct	28	43	Kenneth Brooks									
Researchers cost more than ever: salaries and cost of support facilities going up rapidly (chart)	July	22	30	Urea unit at Industrialimport's Tirgu Mares complex will use Stamicarbon process	R	Nov	18	74	Selling								
Rhodina's new route to fragrances: catalytic reactions convert isoprene to terpene chemicals	Nov	18	109	Russia				Camp Chemical boosts sales 70% with accent on marketing	Dec	9	29						
Rubber tree growth stimulant promises big boost in latex yield	Aug	5	73	Butadiene plant to be built by Mitsubishi	Sept	30	28	Celanese teaches distributor salesmen how to sell solvents	Aug	19	86						
Technicians: Will shortage slow research in '70s (table)	Sept	30	35	Carbon disulfide plant supplied by Italy's Sina Viscosa	Aug	5	80	Chemical distributors wrestle with sliding sales and profits (charts)	Oct	28	31						
Trimethylate acid for chemical research	Sept	23	49	Chemical industry boosts output 12% in first nine months '70	Nov	4	49	Citibank Chemical Exchange: chemical marketing and purchasing men turn thumbs down	July	8	28						
"Vitamin C and the Common Cold"	Dec	16	56	Chemical industry shares top priority in the '71 industrial investment budget	Dec	16	37	Dow Badische's "instant carpet sampler" kit for booming contract business	Nov	11	35						
Water-degradable polymers: Organic acids that can be polymerized then slowly degraded are basis for packages, controlled-release pesticides, drugs	Sept	2	65	Fertilizer output to double in the next five years	July	29	27	Fertilizers - Year-end report: volume up, but profits remain slim (table)	Aug	12	24						
Resins				Moscow's chemical show: Japanese, East and West Germans plan large exhibits, but U.S. participation will still be light	Aug	26	29	GAF agreement makes its film the "official film" for Disney market	Sept	23	17						
ABS see Plastics				Show has moderate attendance	Sept	23	39	The sales manager: not much change in 15 years - CW survey (charts)	Dec	9	35						
Acetal resin prices	Aug	12	21	Show helps some outsider sell chemicals, technology	Sept	30	39	Sales up, net down - and blame it on the slowing economy	July	1	9						
Acetal resins set for fast growth, competition from overseas (chart & tables)	Aug	5	63	Natural gas 20-year contract with Ruhrgas	July	15	26	Selling see also Marketing : see also specific chemical, commodity etc.									
Arizona Chemical and other turpentine processors disagree whether new plant should be built to meet terpene resin needs	Nov	18	103	Petrochemical project with U.S. technology to be launched	Dec	16	15	Separation									
Du Pont's Delrin acetal resin plant in Dordrecht, Holland	Sept	23	39	Polywater's discoverer Boris V. Deryagin - Can he prove it's water?	July	1	34	Centrifuges - report, Kenneth Brooks	Sept	16	33						
Emulsion resin plant at Reichhold's Morris, Ill., will be completed in October	R	Aug	5	27	Production gains for the Soviets	July	8	31	IIIT separates organics from water and gets a water stream containing only one or two parts-per-million	Dec	16	59					
Epoxy resins reinforced with glass fibers for plastic plane	Oct	7	16	Saccharin				Houston Ship Channel industrial and municipal waste-treatment plant may be sponsored by five process industries companies	July	8	19						
Interplastic plans resin formulations expansion	R	Oct	7	19	FDA says reports of saccharin ban "are inaccurate"	Oct	7	19	IIIT separates organics from water and gets a water stream containing only one or two parts-per-million	Dec	16	59					
Mobay introducing E-290, a urethane elastomer resin	R	Sept	2	28	NAS-NRC study group gives qualified okay	July	29	12	Racine, Wis., and Rex Charnick project to reduce the level of pollution in the Root River: five plants will treat the combined sewer discharge	July	15	20					
Nylon resin prices	N	Aug	12	21	Safety				Rollins-Purle plants to treat industrial wastes in Baton Rouge and Houston	Dec	2	44					
PP resin, Pro-fax PC-072 modified, prices	Sept	2	75	Auto air safety bags: four man-made materials under consideration	N	Sept	23	11	Sewing - Ultrasonic "sewing" machine demonstrated	Oct	7	48					
Polysulfone resin prices	N	July	22	24	Auto bumpers' Federal code for standardization proposed	Dec	23	18	Shale Oil								
Polysulfone resin used in ion-exchange method of snaring precious metals from acid solutions undergoing feasibility studies	N	Dec	2	43	Carpet makers' "burn" over U.S. rules	Sept	16	23	Delphic study predictions	N	Nov	25	21				
Thermosetting resins technology from Reichhold licensed by Unilever	N	Nov	4	64	Chevron Oil lined \$1 million for failing to equip its oil wells in the Gulf of Mexico with storm chokes or similar safety shutoff devices	N	Sept	2	Interior Dept. proposal would grant sodium-mining leases in oil-shale areas to private companies	Dec	2	20					
Rhodesia - Chrome ore problem may be eased	N	July	1	10	Consumer-product safety bill hearings	N	Aug	26	20	Shapiro, Irving - Du Pont's vice-president: He found law easier than child's play	Sept	9	64				
Ribbons - The gift package: glittering market for chemicals	Dec	16	27	Drugs see Food Additives					Shipping								
Roofs - Spray urethane foam will have big market in roofing	N	Nov	4	24	Government and industry to clear up new questions about safety of certain chemicals in two well-established consumer products	Oct	14	20	Alaskan oil: ways to ship North Slope oil studied	Sept	2	23					
Rosin					Household chemicals are among 16 categories of commonly used products termed "unreasonable health hazards"	July	1	17	Barge mixing rule legislation would enable operators to mix regulated and unregulated cargo N July 8-28	N	Dec	23	10				
Gum rosin prices	N	July	15	66	Job-safety legislation see Law				Blimps could make a comeback to transport natural gas and oil	Sept	16	23					
Naval stores' supplies will remain tight through '75 (table)	Dec	2	32	Lead paint poisoning prompts a look into three bills to regulate the labeling and sale of such paints and help communities remove lead paint from old buildings	Sept	2	24		Companies are diverting shipments from rails to barges and expanding their truck fleets	Oct	14	17					
Rubber					Liquid propane tank cars explode, nearly wipe out Crescent City, Ill.	July	1	18	Containerization of small-lot orders cuts cost, speeds delivery	Dec	23	43					
ANIC's Ravenna synthetic foam rubber plant will use International Synthetic Rubber's agglomeration process	R	Oct	14	38	Mrak, E. avers there is no evidence that minute pesticide traces in food cause harm to the human organism	Oct	7	13	Gordon Terminal Service storage and docking facilities at Bayonne, N.J. for PPG	R	Aug	26	18				
Automobiles: needed - products for under the hood	Aug	26	13	Natural gas pipelines safety regulations set	Aug	26	18		Great Britain's dock strike ties up exports and imports	N	July	22	10				
British court rules in favor of General Tire in suit charging Firestone with patent infringement on oil-extended rubber	N	July	15	80	Safety bill draws barrage of union criticism	Oct	7	17	Strike hurts ICI sales and Shell exports	N	Aug	5	18				
Butyl rubber plants in Japan	Dec	16	39	Nerve gas disposal bugs Army	Aug	19	23		Strike called off	N	Aug	5	18				
Combined Dunlop-Pirelli will become the world's third-largest rubber company	Dec	16	16	Nixon may ask for more controls over manufacture, storage, shipping of hazardous chemicals and spill-reporting network	Sept	23	42		Lake Erie bridge would be an aid to chemical shippers	Oct	21	24					
Cone curometer, one-of-a-kind testing machine can evaluate all types of rubber and sponge	Aug	5	70	Nuclear safety see Atomic Power					Nerve gas disposal bugs Army	Aug	19	23					
Experts crystal-ball the tire designs of the future	Aug	12	11	OPS trying to come up with a model law that would cover pipeline damage caused by so-called third parties	Sept	16	23		Nixon may ask for more controls over manufacture, storage, shipping of hazardous chemicals and spill-reporting network	Sept	23	42					
Goodrich-Goodyear battle for control of Vredestein	July	8	17	"Peril on the Job" new book, charges													
Goodyear plans Japanese venture; Goodrich bows out of Geon deal	Sept	23	41														
Jacket that holds rubber for easy grinding developed from starch xanthates and																	

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Coastal Chemical's plant and a triple superphosphate unit at Pascagoula, Miss. R	July	29	19
European makers gearing up to handle more solid sulfur N	Oct	7	37
Greek plant R	Oct	7	43
Illinois Power's Wood River station unit will install Monsanto's Cat-Ox system for recovery of sulfuric acid from stack gas N	July	22	34
Inco plant at Copper Cliffs, Ont. N	July	8	27
Pollution curbs result in shortages, higher prices in Japan N	July	29	26
Prices N	Dec	16	45
Stainless steel cooler for sulfuric acid plants developed by CIL N	Oct	14	41
SO ₂ emissions: NAPCA offers to help support development of processes for sulfuric plants, sees treatment of tail gas as best solution N	Sept	9	51
Sweden will boost output N	Aug	5	79
Sunflower Seeds - Food conference focus: new sources and kinds of future foods ...	Aug	12	32
Surfactants			
Armour's Armeen L-9 (2-amino nonane) plays a key role in a new lithium flotation process N	Sept	2	90
Nonionic secondary alcohol surfactants are booming N	Aug	12	21
Tergitol prices N	Nov	25	21
Sweden			
Alkaline chloride capacity expansion at Fosfabolaget's plant in Stenungsund. R	Aug	12	16
Chemical industry will boost output about 7% per year during the next 30 years N	Aug	5	79
Dow plans styrene butadiene latex plant at Norrköping N Sept 2-81 N	Dec	9	20
Exports drag Dec	23	16	
Nonwoven textile plant R	July	8	33
Nuclear generator may be converted to burn oil N	Sept	2	89
Optical brighteners used in detergents found in fat of fish taken from discharge areas of two cities N	Aug	5	69
Pipeline for carrying oil and petroleum products from Gothenburg to central industrial area - report due N	Nov	18	113
Sweeteners			
Canada bans all food containing cyclamates N	Sept	2	17
Saccharin ban reports "are inaccurate" says FDA Oct	7	19	
Saccharin get a qualified okay from NAS-NRC study group N	July	29	12
Swimming Pool Chemicals - Camp Chemical boosts sales 70% with accent on marketing Dec	9	29	
Switzerland - Lonza's niacin huge new plant threatens makers with overcapacity Nov	25	25	
Synthetic Organic Chemical Manufacturers' Assn.			
Allied's F. Bissinger new president; other officers elected Dec	9	13	
Two new jobs for a busy man Dec	9	54	
ASP repeal races adjournment clock Sept	16	24	
Seminar on the complex custom laws and practices to be held Nov	4	18	
Seminar on tariffs and customs limns ASP need Nov	18	44	
2,4,5-T - Pesticides report by the U.S. Tariff Comm., underscores the obvious: some of the oldtime bug-killers have just about had it			
Producers told to clean up processing - letter N	Aug	12	9
Producers told to clean up processing - letter Oct	7	14	
Taiwan sees China, Nationalist	Oct	28	5
Tankers			
Alaskan oil: ways to ship North Slope oil studied Sept	2	23	
Algerian imports: El Paso and Columbia Gas file applications to import LNG in special cryogenic tankers; prospects of recovering olefinic feedstock heightened N	Sept	30	21
Liberia led the world in total carrying capacity of tanker ships registered in '69 Nov	11	21	
Shortage deflates value of oil import quota tickets Aug	5	25	
Tanks			
Boron-based product kills bacteria in fuel oil tanks Aug	5	53	
Glass-fiber-reinforced giant 20x32 ft. tank made in one piece Aug	5	25	
- letter Sept	2	14	
Tariffs			
ASP: U.S. better off without ASP? Dec	23	15	
ASP see also Trade Bill			
Argentina's slash in import duties worries chemical makers July	22	16	
Heptanoic acid tariff may be imposed. N	July	15	65
Japan to cut tariffs on about 13 chemicals Dec	23	18	

Japanese textiles see Imports - Japanese textiles	July	22	23
Oil: President Nixon barred from substituting tariff on oil for present system of oil import quotas N	July	22	23
Tariff Commission set to probe U.S. - foreign industry competition Oct	7	16	
Trade bill			
Pairing import relief, ASP repeal July	8	18	
Textile quota bill puzzles chemical company representatives N	July	8	21
House Ways & Means Committee's version will include new import quotas and perhaps some authority for the President to impose other quotas. N	July	15	20
ASP may survive, quota action coming July	22	17	
Trade bill faces veto July	29	18	
Trade quotas only spell trouble - View point Aug	5	5	
House Ways & Means Committee decides to report out massive trade bill for floor action N	Aug	19	17
How the trade bill took shape Aug	26	17	
With or without ASP - a long row Sept	2	26	
Industry faces loss of ASP (charts) Sept	9	13	
ASP repeal races adjournment clock Sept	16	24	
Trade bill in '70? Oct	14	19	
Senate pulls ASP play Oct	21	26	
Japanese decision to reopen negotiations on voluntary restriction of textile exports chops trade bill chances	Nov	4	14
SOCMA seminar limns ASP need Nov	18	44	
Trade bill finally passes the House. Sen. Miller to MCA: There's doubt the trade bill will get Senate okay this year Nov	25	13	
No trade bill at all this year is goal for some 20 free-trade advocates in the Senate, led by Javits N	Dec	2	13
Textile talks could temper trade measure Dec	2	22	
U.S. could break out in quotas Dec	9	12	
ASP: U.S. better off without ASP? Dec	23	15	
U.S. liberal trade policies' reversal worry Japan and Europe N	July	8	31
Taxation			
Australia: companies to pay ore royalties R	Nov	25	16
Bethlehem Steel seeking a tax exemption for water pollution control units at Lackawanna plant R	Dec	23	18
Canada: Economic slump stunts chemical growth (tables) Nov	25	33	
'DISC' plan: export now, pay income taxes later (table) Aug	5	35	
Election '70: as the vote goes, so go new state taxes, controls Oct	28	17	
Elections no landslide for CPI Nov	18	45	
Lead additives in gasoline tax rejected. Louisiana's McKeithen: Gas producers face severance tax hike unless they up output Dec	2	19	
Nixon's lead tax bill: time is running out July	8	15	
Nixon's package of proposed tax increase hearings Sept	23	18	
Plant sites report, J.M. Winton Latest on state franchise, corporate income, sales, vehicle fuel and severance taxes (table) N	Sept	16	17
Tax force would ease capital spending curb Aug	19	62	
Union Carbide: Ammore, W. Va. removes ceiling on the company's tax payments Dec	16	17	
U.K. tax scheme turns industry off Dec	18	74	
West Germany's new deflationary tax measures could mean tighter profit squeeze for chemical companies N	July	15	73
Television - FTC's new policy regarding TV advertising N	Nov	4	10
Tennessee Valley Authority			
By-product ammonium sulfate use proposed N	Oct	14	41
Nuclear power plants ordered N	Sept	9	10
Terephthalic Acid			
ICI will build plant at Wilton, Teeside R	Sept	2	85
Mitsui plant at Iwakuni-Ohtake complex R	Oct	7	43
Polyester switch: esterification of TPA with ethylene oxide process Nov	11	41	
Teijin develops new approach to making polyester for fibers N	Nov	25	27
Terpene			
Arizona Chemical and other terpentine processors disagree whether new plant should be built to meet terpene resin needs Nov	18	103	
Rhodia's new route to fragrances: catalytic reactions convert isoprene to terpene chemicals Nov	18	109	
Testing - Cone corometer, one-of-a-kind testing machine can evaluate all types of rubber and sponge N	Aug	5	70
Tetraethyl Lead - Prices and exports July	22	15	
Tetrahydrofuran - Japanese plant under construction R	Dec	16	39
Tetramethyl Lead - Prices and exports July	22	15	
Textiles			
'Brown lung' - Textile industry scored on "do-nothing" attitude on byssinosis. Burlington Industries will raise the pay of 75,000 workers N	Dec	16	18
Durable-press: new vapor-phase unit to	Sept	9	9

impart permanent press to cellulose and synthetic-cellulosic blends N	Nov	11	43
Dyeing and coloring problems discussed at AATCC conference Nov	11	23	
Fiber makers lay off thousands as their market weakens Oct	21	22	
Flammability standard for children's sleepwear proposed R	Nov	25	16
Home-sewing market gets push from fiber makers Sept	2	24	
Import cut will aid U.S. makers Dec	16	14	
Imports - Trade bill see Tariffs - Trade bill			
Japanese imports			
Quotas to get U.S. nod? July	1	16	
Japan eases textile stand, changing outlook of U.S. trade bill Nov	4	14	
Japan has second thoughts on curbing textile exports to U.S. Dec	2	22	
PPG introduces Triana, a family of glass-fiber yarns R	Aug	5	27
Self-destructing synthetic fibers? Scott of Univ. of Aston working on the project N	Dec	9	49
Stevens bucks wage trend Sept	16	24	
Swedish plant to make new type of nonwoven textile R	July	8	33
TWUA launches campaign to bring wages into line, supports quotas on textile imports Sept	9	18	
Ultrasonic "sewing" machine demonstrated N	Oct	7	48
Workers losing jobs because of increased imports of rayon staple fiber, says the AFL-CIO TWUA N	Nov	18	37
Thailand - Japanese petrochemical investments may be jeopardized N	July	8	31
Complex is a step closer to approval. N	Nov	11	39
Third International Congress of Food Science and Technology - Food conference focus: new sources and kinds of future foods Aug	12	32	
Timm, Bernhard - BASF's chairman of the board: Physician, pilot zooms company to new heights Aug	5	90	
Tires			
All-terrain vehicles, industrial equipment ride on special tires July	8	36	
Cities Service process turns old tires into carbon black N	Sept	30	31
Computerized tire recall service will be offered to industry Aug	19	25	
Congo to get Goodyear plant R	Sept	2	87
FTC will issue complaint against Big Five, requiring an end to leasing arrangements with bus companies N	Nov	11	14
Firestone denies FTC charges against ads Oct	28	19	
Firestone develops "all-position" tire R	Oct	7	19
Firestone's annual year-end forecast N	Dec	23	10
\$5.25 billion will be spent for tires this year N	Sept	9	10
Goodyear develops passenger car tire with all-steel-wire cord Oct	14	20	
Kenya plant N Aug 5-80 R	Sept	2	87
Ormsby, R. of RMA projects tire shipments Dec	2	21	
PPG says "second-generation" glass-fiber tire cord will open new markets N	Aug	26	27
Rubber companies give injection-molded tires a hard look Nov	11	20	
Rubber experts crystal-ball the tire designs of the future Aug	12	11	
Steel tire-cord plant in Limerick, Ireland R	Aug	5	27
Ultrathin metal filament continuous spinning process developed by Monsanto to reinforce tires N	Oct	14	41
URW reaches contract agreement with tire makers July	1	16	
Titanium			
America's Cup: Pace-setter for boating chemicals Sept	9	48	
National Lead's titanium pigments capacity upped at Langerbrugge, Belgium, plant R	Sept	16	25
Sierra Leone exploration R	Sept	2	85
Titanium Dioxide			
Cyanamid will shut down Piney River, Va., sulfate process dioxide plant N	Dec	16	45
Korean plant in Inchon R	July	29	26
Malaysia's first TIO plant at Perak planned N	July	1	31
Pigment prices N	Dec	9	41
Prices N	Sept	30	21
Titanium Oxide			
Japan's Fair Trade Comm. raids 30 offices of eight major manufacturers for evidence of price-fixing N	Aug	19	85
Japanese plant in Yokkaichi R	July	8	34
Pollution curbs result in shortages, higher prices in Japan July	29	26	
Tobacco - Nader, R. says toxic inorganic additives being used to make popular priced cigars, cigarillos and maybe cigarettes N	Oct	7	14
Toiletries - American beauty & \$4.6-billion market in cosmetics, toiletries - report, Patricia L. Layman (tables) Oct	21	54	
Toluene			
Aromatics: output up, profits down, demand soft (chart) Aug	12	7	
Japanese sale to Standard Oil of Calif. N	Sept	16	58
Prices N	Oct	28	28
Toluene Diisocyanate			
Du Pont will double its capacity R	Aug	5	27

Foam auto seats: new business for TDI makers	Oct	14	33
Mobay's urethane complex on site near Cedar Bayou, Tex., planned	July	15	27
Olin project probably will be on Gulf Coast	Oct	7	13
Prices	Nov	11	27
Profil-Bayer-Ugine plant at Pont-de-Clair, France, expansion	July	8	33
Supplies remain tight; exports soar; capacity, prices	Nov	22	24
Toothbrush - FTC complaint charges that Chemway misrepresented the antibacterial property of Dr. West's "Germ fighter" toothbrush	Dec	16	24
Toxaphene - Hercules protests toxaphene's inclusion in a government list of "problem" chemicals	Nov	18	114
Trade Secrets - Du Pont's trade secret suit against professional photographers Rolfe and Gary Christopher for spying; court rules for Du Pont	July	29	12

Training

Celanese teaching distributors how to sell solvents	Aug	19	86
JOBS program for teaching and training the disadvantaged turns into new business	Sept	9	17
Olin's researchers being tuned in to business aspects with an aim to improving their productivity	Oct	14	54
Thiokol's program for teaching and training the disadvantaged turns into new business	July	22	41
Wilmington, Del., ghetto tells chemical firms: "It's up to you". Meyer Lurie	Sept	2	37

Transportation

All-terrain vehicles, industrial equipment ride on special tires	July	8	36
Blimps could make a comeback to transport natural gas and oil	Sept	16	23
Chemical companies are diverting shipments from rails to barges and expanding their truck fleets	Oct	14	17
Plant sites report: J.M. Winton, "Transportation patterns for chemicals and allied products (table)"	Aug	19	64
REA Express in financial troubles	July	1	19
Transportation see also Aeronautics, Barges, Railroads, Shipping, Trucks			
Trichlorocarbamide - Japanese plant at Nagoya	Dec	16	40
Trichloroethane - Tect develops new, safer way to stabilize 1,1,1-trichloroethane	Nov	4	64
Triisopropylphenyl Phosphate - FMC entry in flame-retardant vinyl plasticizer market	Oct	28	28
Trinidad - Occidental Petroleum awarded with oil exploration and production licenses	July	29	11
Trom - Soda ash producers switch to trom to counter rising costs	Dec	9	32

Trucks

Chemical shippers may face freight strikes and rail hikes (chart)	July	15	25
Companies are diverting shipments from rails to barges and expanding their truck fleets	Oct	14	17
Philadelphia: Eastern Labor Advisory Assn. and 11 local unions of the TU resume negotiations	Nov	25	9

Turkey

Petrochemical complex in Izmir planned	Oct	14	35
N Aug 5-79, Aug 12-16			
Tekin plants joint-venture dimethyl terephthalate and polyester fiber plant	Oct	7	43

Turpentine

Arizona Chemical and other turpentine processors disagree whether new plant should be built to meet terpene resin needs	Nov	18	103
Supplies of naval stores will remain tight through '75 (table)	Dec	2	32

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Ultrasonic "sewing" machine demonstrated	Oct	7	48
Underwater Mining			
Delphic study predictions	Dec	25	21
Great Salt Lake production pace quickens	Dec	9	45
Tenneco plans to form an international consortium to dredge manganese-rich nodules from the ocean floor	Sept	2	17
Trinidad: Occidental awarded oil exploration and production licenses	July	29	11

U.S. Army

Nerve gas disposal bugs Army	Aug	19	23
Nitric acid plant bids: did the Army goof? (chart)	Aug	19	103
Public bids for the nitric acid plants in its \$70.75-million ordnance modernization program	July	1	9
Contract goes to Weatherly Co.	Aug	5	27
Thiokol gets contract for production of illuminating cartridges	Sept	2	17
U.S. Coast Guard - Testing Goodyear bags to tow away oil pumped from disabled tankers	Sept	23	19

U.S. Dept. of Agriculture

Broadening its review of pesticide applications	Sept	9	18
Gypsy moths: auxiliary treatments suggested to replace DDT in battle against gypsy moths	July	22	29
Jacket that holds rubber for easy grinding developed from starch xanthates and xanthides	Nov	11	43
Mercury seed treatment row; Nor-Am wins injunction against suspension of Panogen July 22-27	July	29	16
Pesticides regulations will be one of the areas taken over by the new EPA	Nov	18	49
Polymer coating for pesticides will be tested	July	8	21
2,4,5-T producers told to clean up processing	Oct	7	14

U.S. Dept. of Commerce

Import-export figures for eight months	Oct	7	17
Input-output analysis seminars	Sept	9	10
Mid-year study: Mid-year optimism	Aug	26	18
U.S. Dept. of Health, Education and Welfare - U.S. drinking water supply is essentially safe, but "there is still cause for serious concern"	Aug	26	20

U.S. Dept. of the Interior

Federal rulings on mercury pollution bedou state actions	Sept	9	20
Klein quits in policy row over water quality	Sept	30	15
Listing of sperm whales as an "endangered species" may cut off supplies of sperm oil for use as a lubricant	July	29	25
Plans to phase out coal research next year	July	1	19
Proposal would grant sodium-mining leases in oil-shale areas to private companies	Dec	2	20
Secretary-elect Morton: A switch in pollution sentiments may be in order	Dec	9	14
U.S. Navy - Litton wins contract to build 30 destroyers over the next eight years	July	1	19
U.S. Tariff Commission - Funds for publishing chemical and plastics' production and sales statistics may be cut off	Sept	16	58
Prospects improving for continued publication	Oct	14	28

University of Aston

Scott, G., working on self-destructing synthetic fibers	Dec	9	49
"Self-destruct" plastic container process developed	July	29	34
University of California - Bromley has come up with an "economical and technologically feasible" process that uses sea water to scrub sulfur oxides from power plant smokestack gases	Sept	2	25
University of Southern California - Red tide: An important clue to the formation of red tide turned up	Dec	2	43

Uranium

Canada: uranium mining complex will be built in northern Saskatchewan	Aug	26	11
Enrichment plants using gas centrifuges - Centrifuges - report	Sept	16	38
Fossil fuel supplies tighten, accelerating nuclear power growth	Sept	16	21
Gulf Mineral Resources: processing installation at Lake Wollaston, Sask., okayed	Sept	9	16
Russians offering to enrich uranium for West German and Swedish nuclear companies	Nov	11	43
South Africa has a "unique process" for enriched uranium	July	29	33

Urea

Hawkeye Chemical upping capacity at its Clinton, Ia., plant	Sept	30	11
Vulcan-CPI-Allied technology will be used	Nov	18	114
Israeli plant at Haifa	Nov	18	74
Urea-based processes could cut melamine's manufacturing costs (chart)	Oct	21	32

Urethane

Flame-retardant urethane insulation systems' competition	Oct	28	27
Foam insulation for recreational vehicles market	July	15	56
Foamed-in-place rigid urethane wins okay for structural and insulation use in houses	Dec	2	20
Foamed plastics spurs chemical expansion plans (table)	July	8	13
Furniture market (table)	Sept	30	23
Goodyear answer to oil spills: huge flexible bags to tow away oil pumped from disabled tankers	Sept	23	19
Mobay's complex on site near Cedar Bayou, Tex., planned	July	15	27
Mobay introducing a urethane elastomer resin, E-290	Sept	2	28
North Slope wells will have jacket of urethane insulation	July	29	11
Olin's urethane chemicals expansion will make it a major producer of polyester film	Oct	7	13
Seamless floors: Contractors and suppliers seek to rebuild a sagging market	Nov	18	96
Solid foam bumper in '71 cars	Aug	26	12
Spray urethane foam will have big market in roofing	Nov	4	24

Utah

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American Greetings - The gift package: glittering market for chemicals	Dec	16	27
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American Potash & Chemical - titanium oxide technology for Japanese plant	R July	8	34
American Smelting & Refining - acquisition of four Illinois coal mines from Peabody Coal	N Aug	5	17
Lead prices N Aug 19-85	N Sept	9	41
Lead smelting and refining Selby plant will be closed	N Aug	5	17
Plan for cutting air pollution at Tacoma, Wash., plant may be accepted, but with modifications	N Dec	16	10
San Francisco pollution damage suit claims that pollutants caused the deaths of livestock	N Sept	9	9

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American Zinc Sales Co. - zinc oxide prices	N	Sept	23	22	Polyacetals plant planned	Aug	5	63	Phrix-Werke see under name					
Ammonia Co. of Queensland Pty. - Australian investments may be merged	N	Nov	18	38	Aspen Chemical Corp. - Black-owned co., a chemical industry first	N	Nov	11	28	Polystyrene unit at Antwerp construction halted	N	Dec	2	51
Ammoniaque Synthetique et Derives - ammonia buying deal with Stikstof	July	8	15	Ashland Oil - acquisition of Foster formed	N	Nov	11	14	Private consortium in nuclear fuel processing is shaping up	N	Nov	18	114	
Amoco Canada - Pan American Canada Oil see under name				Ashland Oil International new division formed	R	Sept	9	20	Process for laminating polyolefins to glass-reinforced polyesters	N	July	8	39	
Amoco Chemicals Belgium - isophthalic acid plant at complex near Geel planned; also increasing oxidation capacity for aromatic acids production	N	Dec	16	10	Ashmore, Benson, Pease - oxygen unit for British Steel's Anchor plant	R	Sept	2	85	Profit squeeze tightens	N	Oct	7	42
Amoco Chemicals Corp. - Avisun	July	8	41	Associated Ocel - ethyl chloride plant	R	Dec	16	42	Sales and earnings in first-half '70	N	Aug	12	15	
Amoco consolidation creates \$320-million chemical maker	Dec	2	35	Atlantic Research Corp. - Missile Systems Div. - plastic-hull target boats for the U.S. Navy	R	Sept	16	25	Third-quarter '70	N	Nov	18	73	
HDPE plant at Chocolate Bayou, Tex.	N	July	29	26	Atlantic Richfield Co. - ARCO Chemical Co. see under name				Sells 51% interest in Westfalenbank	R	Sept	2	85	
Japanese terephthalic acid plant will use Amoco technology	R	July	29	26	Grass to reseed wild tundra ground on Alaska's North Slope	N	Nov	18	38	Timm, Bernhard, chairman of the board: Physicist, pilot zooms company to new heights	Aug	5	90	
Amoco Chemicals Pty. - Patchogue-Plymouth Div. - Australian PP fabrics plant	R	Dec	2	22	Harvey, Ill., research center lays off 40	Dec	2	22	Wintershall see under name					
Amoco Production Co. - Pan American Petroleum Corp. will officially become APC in Feb. '71	R	Nov	4	18	Partner in research project on feasibility of bringing natural gas from Alaska's North Slope and northern Canada to central Canada and U.S. Midwest	N	Oct	21	17	Bahamas Agricultural Industries Ltd. - Owens-Illinois trying to sell sugar operations	N	Nov	18	37
Amorco Espanol - Esso Chemical acquires full ownership	Dec	23	31	Sinclair Oil merger: Justice's proposed consent decree settlement N Aug 5-18	N	Aug	12	6	Bakelite Xylonite - Britain's plant buildup (table)	Nov	4	52		
Amorco Portugal - Estarreja complex expansion approval sought	Oct	14	38	Atlas Chemical Industries - aliphatic amines joint venture in Barcelona, Spain	R	Oct	14	38	Baker, J.T. Chemical - acquisition of Uni-Tech from Biochemical Procedures	R	Dec	23	18	
Anacoda Aluminum - aluminum smelter in Kentucky will be equipped with Alcoa's recycling method for assuring pollution-free atmosphere	N	Aug	5	17	Moraine Products files antitrust suit over licensing of remedies for intestinal gas	Oct	7	17	Balchem Corp. - ARC Chemical see under name					
Columbia Falls, Mont., plant will cut production	R	Oct	28	21	Wilmington, Del., ghetto tells chemical firms: "It's up to you": Meyer Lurie AB Atomenerg - nuclear generator may be converted to burn oil	N	Sept	2	37	Baldwin Lima-Hamilton - distillation goes to work on waste	Aug	5	51	
Anacoda Copper - copper processes research	N	July	15	79	Atomic Energy of Canada Ltd. - Canadian GE heavy-water plant to supply AECL	Oct	14	42	Bamag Verfahrenstechnik GmbH - acquired by Power Gas Corp.	N	Aug	12	33	
Andersol - phthalic anhydride output increase	July	8	33	Heavy water from Sweden's inoperative Marviken reactor produced	N	Sept	16	68	Banca Industrial Fierro - partner in Spain's first petroleum coke plant	R	Dec	16	42	
ANIC - labor peace: key to snapping Phillips Petroleum's polydiene process to make solution elastomers licensed	R	Aug	12	16	Sees heavy water in Canadian, world nuclear power future	July	1	40	Bank of New York - Wheaton, Don - Wall Street view, tough to borrow for pollution equipment	Sept	30	40		
Synthetic foam rubber plant at Ravenna planned	R	Aug	12	16	Attex Mfg. Co. - all-terrain vehicles propelled by their low-pressure flotation tires	July	8	36	Basic Inc. - Basic Chemicals div. - Magnesium oxide and technology for scrubbing mixture for recovering sulfuric acid from stack gas	July	15	69		
Plant will use International Synthetic Rubber's agglomeration process	R	Oct	14	38	Austin Research Institute - polymer coating for pesticides will be tested	N	July	8	21	-letter	July	29	8	
Anilines Argentines - licenses technology from Amar Dye-Chem	N	Aug	5	80	Austin Science Associates, Inc. - water-degradable polymers. Organic acids that can be polymerized then slowly degraded are basis for packages, controlled-release pesticides, drugs	Sept	2	65	Battelle Memorial Institute - activated carbon system to remove cyanide ions from plating wastes	Dec	16	54		
Annin Flag Co. - synthetic fibers, dyes, polymer coatings and plastics are among chemical industry products aided by booming demand for flags	July	29	36	Austral Oil - Project Rulison: apprehension mounting concerning success	N	Aug	5	59	Columbus Labs' forecast shows there will be fewer real dollars for R&D in '71	N	Dec	23	23	
Antwerp Cleaning Station SA - sulfur melting capacity installed	N	Oct	7	37	Three-stage production testing program	R	Nov	4	18	Italy plans to triple output by '80	July	29	26	
Apple River Chemical - ammonia business bought by St. Paul Ammonia Products	R	Oct	28	21	Austral-Pacific Fertilizers Ltd. - Australian investment may be merged	N	Nov	18	38	Bauch & Lomb - Solfens hydrophilic contact lens - approval to market sought	N	July	22	34
Grants option to St. Paul Ammonia Products to buy all plant assets	R	Aug	19	27	Phosphoric acid, liquid, purchased from Fertilizantes Fosforados Mexicanos	Aug	19	17	Bayer-Shell Isocyanates - hydrochloric acid plant at Antwerp	R	Dec	16	42	
Applied Automation Inc. - offers money-back guarantee on computer control systems	N	Aug	5	69	Australian Fertilizers Ltd. - profit loss	N	July	8	32	Bear Archery - plastic bows and arrows	Dec	28	38	
Aquitaine-Organico - Elf-ERAP and Total combine almost all their petrochemical operations	N	Sept	16	18	Avisun Corp. - Amoco-Avisun consolidation creates \$320-million chemical maker	July	8	41	Beaunit Fibers - finer-denier polyester tire cord for Crazy Wheels bike tires	July	8	36		
French chemical industry in position to challenge Europe's leaders (map, table)	Sept	9	57	Avondale Mills - wage increases	Sept	16	24	Bechtel Corp. - acquisition of C&I/Girdler, Inc.	N	Aug	5	70		
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Arbed - L'Air Liquide will supply oxygen unit	R	Sept	2	85	Babcock & Wilcox Co. - contract for TVA nuclear plants	N	Sept	9	10	Bechtel International - Indonesia polypropylene plant contract	R	Oct	7	43
ARCO Chemical Co. - A chemical arm with lots of muscle	Sept	2	57	Badger Co. - Korean plant	Sept	16	38	Bechtel Laboratory - atomic energy to convert solid wastes into useful products - ACS meeting	Sept	23	46			
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Pipeline from Texas Panhandle across Okla. to Wilburton, Okla. to be built	Nov	11	23	BASF Corp. - phthalic addition at South Kearny, N.J. (chart)	July	1	29	Bio-Assay Labs. - analytical labs are supplying mass screening services to help identify habitual drug users among potential employees	Dec	2	41			
Armco Steel Corp. - commercial-scale direct-reduction plant	Sept	2	22	Ultrafoam, joint venture, to make acetal resin	Aug	5	63	Biochemical Procedures - Baker Chemical acquires Uni-Tech	R	Dec	23	18		
Dumping of cyanide, phenols and other chemicals into Houston Ship Channel is creating a "health hazard"	N	Dec	16	9	U.S. operations may be consolidated	N	July	15	73	Bio-Derivatives - L-dopa: which way to a winner?	Oct	21	99	
Justice suit filed	N	July	22	10	BASF Systems - BASF's U.S. operations may be consolidated	N	July	15	73	Bjorkstrom Research Laboratories - foamed aluminum	N	July	29	34
Houston, Tex. plant air pollution suit	N	July	22	10	BASF Wyandotte - New company comes into being Dec. 31	N	Dec	2	13	Booz, Allen & Hamilton - Snell, Foster D. division process turns waste into fuel	Aug	26	24	
Armour & Co. - Akzona will acquire three subsidiaries of Akzona	N	Dec	9	7	Badische Anilin & Soda-Fabrik - acquisition of Grace subsidiary Howards & Sons R July 1-18	N	July	1	31	Borden Chemical Corp. - Adhesive & Chemicals Div.'s headquarters is now in Columbus, O.	R	Sept	9	20
Armour Industrial Chemical - acquisition by Akzona almost certain	N	Dec	9	7	Acquisition of minority share in West Germany's Rohm & Haas	N	July	29	28	Building growth spurs formaldehyde expansions	Sept	16	60	
Armour Industrial Chemical - fatty acid prices	N	Aug	12	21	Acquisition of Siegle Group includes Kast & Ehinger	N	July	1	31	Formaldehyde capacity increase at Missoula, Mont. N Aug 5-17	N	Nov	25	9
Armour Industrial Products - acquisition by Akzona almost certain	N	Dec	9	7	Ammonia buying deal with Stikstof complex canceled	July	8	15	Streptomyces fermentation residues as a growth promoter for turkeys	Dec	2	30		
Armour Leather - acquisition by Akzona almost certain	N	Dec	9	7	Ammonia capacity plans for Antwerp	July	8	15	Borg-Warner - ABS: a clear grade of ABS available	N	Nov	4	63	
Armstrong Rubber - tire plants back after a 108-day strike	Nov	18	45	BASF Wyandotte see under name					Centaur Engineering Div. - ABS system for recreational vehicles construction	July	15	56		
Asahi Chemical - glass-fiber plant in Japan	R	Aug	12	16	"Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (tables)	Sept	23	29	Marbon Div. - ABS wraparound for Citroen-Mehari runabout	Aug	12	9		
					Bond issue	N	Oct	14	35	Marbon Div. - sells its line of adhesives				
					Executives tour U.S. operations: company re-evaluating worldwide investment program, no major acquisition plans seen	July	22	18						
					Licenses phthalic anhydride process to C-E Lummus	R	Sept	16	25					

for ABS to Solar Compounds	R	Dec	23	18	will be built at Copper Cliff, Ont.	Aug	5	84	plants	Sept	9	51		
Plastic pipe plant in Vernon, Calif., closed	R	Dec	23	18	Stainless steel cooler for sulfuric acid plants developed	N	Oct	14	41	System will help utility meet stack emission regulations without using low-sulfur fuel, also yield sulfuric acid	July	15	69	
Boston Edison - Chemico's system will help to meet stack emission regulations without using low-sulfur fuel, also yield sulfuric acid	July	15	69	Sulfuric acid plant will be operated for Inco	N	July	8	27	Chemical Separation Corp. - ion-exchange pretreatment will be installed on the desalination plant at Freeport, Tex.	N	Sept	2	90	
Low-Maker Browning - plastic bows and arrows	Oct	28	38	Canadian International Paper - alkaline sulfite pulping process will pulp out at least as strong as sulfate pulp, without the usual strong odors	Aug	26	31	Chemical Services, Inc. - identical chlorine bids may develop into a federal case	N	July	8	9		
Brand-Rex - AKZO's U.S. subsidiaries going ahead with merger plans; merged company will be called N.C. Akzona	N	Sept	2	81	Canso Chemicals - chlor-alkali plant for Port Abercrombie, N. Scotia	Sept	9	44	Chemicals & Phosphates Co. - ammonia and urea plant at Haifa, Israel	R	Nov	18	74	
Branson Sonic Power - ultrasonic "sewing" machine	N	Oct	7	48	Canton Containers - acquired by Northern Petrochemical	R	Dec	16	18	Chemische Fabrik Servo - acquired by Huels	N	Sept	23	39
Brasileira de Sintéticos - Hoechst acquires majority holding; plans nylon and polyester fibers expansions	R	Nov	11	23	Cape Breton Development Corp. - plans to develop the Strait of Canso, Canada, as a major world port	Sept	9	44	Chemische Werke Huels AG - acquisition of Chemische Fabrik Servo	N	Sept	23	39	
Brewer Pharmacal - acquisition by Parke-Davis approved	R	July	8	20	Carbon Oil - Spain's first petroleum coke plant	R	Dec	16	42	Plastic litter - exploring a self-destrorying polyethylene	Sept	9	15	
Bridgestone Tire - Japan grants permission for Goodyear's joint venture in polyisoprene Sept 23-41	R	Dec	2	52	Carboquímica - phthalic anhydride capacity increase	July	8	33	Profit pinch is explained by President F. Broich	N	Dec	16	37	
Bristol-Myers - analgesic advertising; company will go to court again if FTC regulation is adopted	Oct	28	20	Carborundum Co. - solid disposal demonstration plant at Orchard Park, N.Y., will daily "produce" a clean aggregate-type residue called "urban ore" from about 75 tons of refuse	N	July	15	20	Sales and profits N July 8-31	R	Dec	23	18	
Tetracycline case - federal court okay for settlement damage suit	N	July	1	9	Cardinal Proteins - Japanese company is interested in taking half of fish protein concentrate output	N	Nov	4	49	Chemplex Co. - PE prices	Sept	16	24	
B.C. Interior Sawmills - acquired by Weyerhaeuser's Kamloops Pulp & Paper Div.	R	Dec	16	18	Carlisle Tire & Rubber - flotation tires	July	8	36	Chrysler Council - "Waste Conversion for Profits" - book	July	8	26		
British Enkalon - Britain's plant buildup (table)	Nov	4	52	Carroll, J.W. & Sons - integrated process for the manufacture of basic extrusion-grade acrylics	Aug	5	25	Chemway - FTC complaint charges that Chemway misrepresented the antibacterial property of Dr. West's "Germ fighter" toothbrush	N	Dec	16	24		
British Oxygen Co. - sales and earnings N July 1-31	R	Dec	23	18	Cascade Natural Gas - charges El Paso "unfairly" gives a high-priority in turntable wholesale natural gas service to "ineligible" industrial customers in the Pacific Northwest	Sept	2	25	Cherollet - Vega is competitive with imports because of plastic innovations	Aug	26	12		
British Petroleum - chemical operations will be revamped	Nov	11	21	Catalana de Gas - Barcelona's regasification plant opened	N	July	1	31	Chevron Chemical - dodecylbenzene technology for Colombian detergent plant	R	Aug	12	16	
Methacrylate for gas station signs	Sept	2	79	Catalysts & Chemicals Co. - Chemco's plant completes partial conversion to methanol catalyst	N	Sept	9	55	Gasoline additive uses polybutene amine, F-310, to cut auto exhaust emissions	Oct	7	46		
Nonionic emulsifiers, BP 100, used to break up oil slicks from "Pacific Glory"	N	Nov	4	64	Catalytic Inc. - contract for Velcol benzoic acid plant in Tennessee	R	Oct	7	19	FTC disputes advertising claims (chart)	Oct	7	46	
Technology for Japanese synthetic protein plant	R	Dec	16	40	Celanese Corp. - Celcon: polyacetals prime for big future (chart & table)	Aug	5	63	Chisso Corp. - contract for Korean plant	Dec	16	38		
Wulff process acetylene plant closing down ahead of schedule	N	Dec	9	49	Contract to ship chemicals from Corpus Christi, Tex., to Chicago by barge	Oct	14	17	Chisso Engineering - SECT system rights licensed to Thermo Mfg.	N	Nov	11	43	
BP Chemicals - Britain's plant buildup (table)	Nov	4	52	Coupling agent improves acetal copolymer tensile strength	N	July	15	80	Chrysler Corp. - strikes causes 29.4% drop in sales	Oct	14	21		
BP Oil - N.J.'s Dept. of Environmental Protection charges air pollution	N	Aug	12	6	Fiber makers lay off thousands as their market weakens	Oct	21	22	Strike deadline is Sept. 14	Aug	5	27		
British Steel Corp. - oxygen unit for Anchor plant	R	Sept	2	85	Formaldehyde capacity increase at Bishop, Tex. N Aug 5-17	N	Nov	25	Unions denounce the initial contract proposals of the "Big Three"	Sept	9	16		
Bromet Co. - Ethyl's unit will be built adjacent to bromine extraction operation	R	Aug	12	13	Formaldehyde capacity increase at Bishop, Tex. N Aug 5-17	N	Nov	25	Chubu Chemical - styrene monomer plant in Yokkaichi	R	July	8	34	
Brown, John, Ltd. - gas separation plant to be built at Arzew, Western Australia	R	Oct	14	22	Home-sewing market gets push from fiber makers	Sept	2	24	Chung-Jui Fertilizer - Korea Pacific Chemical see under name	Oct	14	38		
Buckeye Pipeline Co. - may undergo a full-scale investigation by Ohio PUC	N	Aug	19	18	National Distillers antitrust suit against Bayer, Hoechst and Celanese relating to V.A. and acetate hydrolysis	R	Aug	12	13	Church & Dwight Co. - Arm & Hammer Washing Soda as a water conditioner recommended	Aug	12	31	
Bunker Hill Co. - sulfuric acid plant at Kellogg, Ida., is completed	R	Oct	28	21	Not suitable to contract out all advertising, but sees merits in the plan for the small industrial account	July	29	16	Cia. de Industrias Químicas de Nordeste - partner in Ciquine Petroquímica	N	Aug	5	79	
Burlington Industries - BP Lynn, Robert says old rules hurt trade	Dec	23	16	Polyester fiber prices	N	Nov	11	27	Cia. du Polyisoprene Synthétique - polyisoprene synthetic rubber plant at Laire planned	N	Oct	28	14	
Pay raise for 75,000 workers	N	Sept	9	9	Stock purchase - company will buy up to 500,000 share of its common	N	Aug	19	17	Cia. Technica Industrie Petrol - CSB see under name	Oct	14	38	
Wage increases	Sept	16	24	Teaching distributors how to sell solvents	Aug	19	86	23	Cia. Uniao Fabril - acrylic fibers plant at Barreiro	Oct	14	38		
Burris Chemical, Inc. - identical chlorine bids may develop into a federal case	N	July	8	9	Work force cutback	Oct	14	23	Portuguese plans	Aug	12	16		
					World headquarters to be built on N.Y.'s Avenue of the Americas	N	Sept	23	12	Ciba Ltd. - Chemical & Dye Div. - Geigy-Ciba merger causing reshuffling of some divisions	R	Nov	4	18
					Celanese Colombiana - polyester fiber capacity boost	July	8	33	deStevens see clinical research crisis as results of new FDA rule	N	Oct	21	88	
					Celanese Fibers - polyester sales	N	Nov	25	21	Geigy merger proposal gets U.S. Justice okay R July 15-32	July	22	18	
					Celanese Plastics - nylon molding prices	N	Oct	14	28	Antitrust division spells out requirements for merger	July	29	15	
					Central Farmers Fertilizer Co. - name changed to CF Industries, Inc.	R	July	8	20	Merger approved	Oct	28	43	
					Chang Chun Petrochemical Co. - methanol plant at Miaoli, Taiwan	R	Nov	18	74	Merger causing reshuffling of some divisions	R	Nov	4	18
					Chem Lab Corp. - acquired by American Cyanamid	R	Nov	11	23	'69 profits (table)	Oct	14	37	
					Chem Systems Inc. - merger agreement with DeBell & Richardson	N	Dec	2	44	Cie. de Mokta - Engelhard Minerals buys 48.4% of Soc. de la Courneville	R	Sept	23	19
					Chemteloy Minerals - Spodumene being tested in flotation process	N	Sept	2	90	Cie. de Petrochimie - Gouffreville, Le Havre, buildup	Sept	9	58	
					Chembond Corp. - building growth spurs formaldehyde expansions	Sept	16	60	Cie. Française de Produits Chimiques et Industriels du Sud-Est - subsidiary will consolidate Ugi's holdings in plastics fabricating firms	Aug	5	84		
					Chemcell Ltd. - Canadian profits dive	Aug	12	16	Ciquine Petroquímica - formed to produce 2-ethylhexanol and n-butanol at Salvador, Brazil	N	Aug	5	79	
					Corwall, Ont., plant completes partial conversion to methanol catalyst	N	Sept	9	55	Citibank Chemical Exchange - chemical marketing and purchasing men turn thumbs down on plan	July	8	28	
					Employee layoff as company reports loss	N	Aug	26	28	Cities Service Co. - Lake Charles, La., facilities for production of desulfurized fuel oil metallurgical-grade coke	R	Sept	16	25
					Chemco - proposed regulations on the imports of petrochemical feedstocks getting close scrutiny	N	Aug	19	97	Natural gas rate cuts	Sept	30	15	
					Chemmed Corp. - established by Grace	N	Dec	2	14	N.J.'s Dept. of Environmental Protection charges air pollution	N	Aug	12	6
					Chemetics - Canso Chemicals see under name					Old tires turned into carbon black	N	Sept	30	31
					Chemtron Corp. - Belle, W.Va. onsite nitrogen plant capacity doubling; completion set for Feb. '71	R	Dec	9	14	Clark Schwebel Fiberglass Corp. - glass-fiber plant in Japan	R	Aug	12	16
					Cardox Div. will build liquid carbon dioxide plant at Getty's Delaware City complex	R	Nov	4	18	Clio Wrap & Gibson Greeting Cards - the gift package; glittering market for chemicals	Dec	16	27	
					National Cylinder Gas division air separation plant near Houston, Tex.	R	Aug	26	18	Cleveland-Cliffs Iron Co. - Robe River Iron Ore project in Western Australia set to begin	R	July	8	20
					Chemical Constructors Corp. - BUSS' rights to technology for making hydrofluoric acid from fluosilicic acid or fluorspar obtained	N	Nov	25	27	Cleveland Potash - Britain's plant build-up study atmospheric emissions of plants that process phosphate rock	Nov	4	52	
					Low bidders for Army nitric acid plants	N	July	1	9	U.K. tax scheme turns industry off	Nov	18	74	
					NAPCA awards contract to Chemico to study atmospheric emissions of plants that process phosphate rock	N	Aug	26	33	Cliffs Copper Corp. - copper venture with Du Pont will try bacteria approach	N	Oct	28	35
					Study of cost effectiveness of current methods of controlling SO ₂ and acid-mist emissions from sulfuric acid					Coastal Chemical, Inc. - identical chlorine				

birds may develop into a federal case	N	July	8	9	being discussed	R	Oct	7	42	chemical industry products aided by	July	29	36		
Sulfuric acid plant and a triple superphosphate unit at Pascagoula, Miss.	R	July	29	19	Cooper Tire & Rubber - labor contract settlement	N	Nov	13	14	booming demand for flags	July	29	36		
Coastal States Gas Producing - Corpus Christi plant damaged by Hurricane Celia		Aug	12	12	Cooper, William & Nephews (Australia) Pty. Ltd. - DDT substitutes being tested	N	Aug	12	33	Deutsche Erdöl - capacity upped for alcohol and ketone plants at Meerbeck	R	Aug	12	16	
Gas-gathering system from western Texas gas reserves to Dallas	R	Sept	30	17	Copolymer Rubber & Chemical - new process for making Epsan		Aug	5	43	Deutsche Shell - xylene unit at Godorf, W. Germany		Aug	12	8	
Coca-Cola Co. - plastic bottles used		N	July	8	39	Coppee-Rust - contract for Monsanto's ABS plant at Antwerp R Oct 14-38,	R	Dec	16	42	Diamond Plastics - know-how for Israeli polystyrene plant	R	Dec	16	42
Monsanto's Lopac 90		N	July	8	39	Third Hungarian fertilizer plant	N	Aug	5	80	Diamond Shamrock - chlorine and caustic prices	N	Sept	9	41
Cochin Pipe Lines Ltd. - approval to build line to carry NGL from a plant at Empress, Alta., to the Kerrobert Sask. terminal		Sept	9	17	Urea unit for Romania's Industrial-plant at Tirgu Mares	R	Nov	18	74	Coal shortage chills chemical profit hopes (chart)		Oct	21	21	
Colgate-Palmolive - Colgate 100 - mouthwash makers change formulas in wake of FDA crackdown		Aug	19	24	Corban Industries - FRP tank in one big piece		Aug	5	25	LDPE prices		Aug	5	26	
Detergent phosphate: sticking with phosphates (except for a small percentage of NTA in its Axion prespak product)		July	15	24	Corning Glass Works - machining glass ceramics and porous silicates offered	N	Oct	14	42	Mercury suits		Sept	9	41	
Enzyme detergents advertising claims hit by FTC	N	Sept	30	11	Corporacion Financiera de Caldas - acrylic fibers plant in Manizales		July	8	33	Methylene chloride and perchloroethylene prices		Sept	9	41	
Collins & Aikman - wage increases	N	Sept	16	24	Cosden Oil & Chemical - Petrofina see under name		Oct	14	28	Nopco Chemical Div. see under name	R	Sept	9	20	
Collins Pipelines - pipeline to carry petroleum products from New Orleans area to Collins, Miss.	N	July	22	9	Polystyrene production going full tilt at Calumet City, Ill., plant	N	Oct	14	28	Disney, Walt, Production - GAF agreement makes its film the "official film" for Disney market		Sept	23	17	
Colorado Interstate Corp. - Colorado Interstate Gas Div. will start construction of natural gas pipeline and compressor station		July	1	18	You can be small - and profitable		Dec	2	48	Dodge Corp. - plastics in cars		Aug	26	12	
Coltair - polyester fiber capacity boost		July	8	33	Courtaulds Ltd. - Britain's plant build-up (table)		Nov	4	52	Dome Petroleum - Canadian NGL for U.S. approved		Sept	9	17	
Columbia Cellulose - suit against DuPont based on claims of breach of contract and warranty, and negligence filed	R	Sept	2	28	Northern Ireland expansion plans	N	July	15	73	Dominion Foundries & Steel - coke ovens for Hamilton, Ont., installation	N	Sept	9	10	
Columbia Coal Gasification Corp. - set up to develop a low-cost, direct substitute for natural gas from coal	N	Dec	23	23	Profit decline predicted	N	Nov	25	32	Doric Corp. - acquisition of J.C. Milligan R		Oct	7	19	
Columbia Gas Systems, Inc. - files application to import LNG from Algeria in special cryogenic tankers	N	Sept	30	21	Sales and earnings - first quarter '70	N	July	22	39	Dorr-Oliver - Centrifuges - report, Kenneth Brooks		Sept	16	36	
Set up a new company to develop a low-cost, direct substitute for natural gas from coal	N	Dec	23	23	Crawford & Russell - new process making Epsan		Aug	5	43	FluoSolids process for Algerian plant	R	July	8	33	
Columbian Carbon - Texas Air Control Board gives final deadline to halt pollution	N	July	8	10	System for removing mercury continuously from waste waters, streams and gases	N	Dec	16	59	Fluo-Badische - Fischer, T. will be responsible for sales of Phrix Werke "instant carpet sample" kit for booming contract business		Nov	11	35	
Columbian Rope - Hercules to spin off the 34% interest it acquired in '65	R	Aug	26	18	Creave Mailing Service - computer data services help companies find markets, customers		Dec	16	49	Three-year contract with TWUA		Nov	18	45	
Combustion Engineering Inc. - C-E Lummus see Lummus Co.		Sept	16	68	Creole Petroleum - LNG plant planned for Venezuela	N	Sept	2	81	Dow Chemical Co. - Argentine partners considered for ethylene-based petrochemical project in Bahia Blanca	N	Aug	12	15	
Liquid-metal fast-breeder reactor contract	N	Sept	16	68	Cresco Fertilizers - fertilizer complex at Westernport, Victoria	N	Oct	14	38	Agreement with Argentine state agencies	N	Sept	9	56	
Minerals Div. plans expansion of clay and bauxite processing plant at Andersonville, Ga.	R	Nov	25	16	Crest Co. - isocyanates plant for Jefferson Chemical	N	Dec	16	9	Armstrong, Co. C.C. to manage production and planning for Phrix Werke		Nov	25	32	
Cominco Ltd. - potash mine at Vanscoy, Sask. closed by flooding	N	Sept	9	41	Cros, S.A. - agrees to buy Hooker's 50% interest in Oxidors from Occidental Petroleum		Nov	11	38	Australian officials deny that proposed merger with ICIANZ fertilizer operations will raise prices for farmers	N	Dec	2	51	
Commercial Solvents - bacitracin compounds and chlorine chloride		Dec	2	26	Crown Cork & Seal Co. - can-maker talks could affect labor picture for nonferrous metals		Nov	25	14	Chile: Are U.S. companies facing nationalization under Allende?		Oct	21	77	
MSG imports hurting		July	15	28	Crown Zellerbach - Japan to have world's first commercial synthetic wood-pulp plant	N	Dec	16	37	Chlorine prices		Sept	16	24	
Ralgro, nonhormone cattle fattener has FDA approval		Dec	2	30	President Dahl pins '71 earnings to improved building outlook		Nov	25	14	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Commonwealth Oil Refining Co. - Conco Chemical see under name		July	1	15	Cutter Labs. - fertility drug, Italian Pergonal, receives FDA approval for marketing in the U.S.	N	July	8	40	Damages awarded for hydrochloric acid lost when barge sank in the Mississippi River in June '66	N	Sept	16	17	
Compendium Publishers - computer data services help companies find markets, customers		Dec	16	49	Cyanamka - acrylic fiber capacity at Barcelona plant increased	R	July	8	33	Dow Interdiscipline Group new director William Nummy: He's a reformed city boy who digs Midland		July	29	44	
Computer Communications Network - time-sharing firms offering real-time order-entry and accounting packages		Aug	12	23	Cybermatics Inc. - computer data services help companies find markets, customers		Dec	16	49	Ethylene: Lummus Nederland contractor for second unit at Terneuzen	R	Oct	7	43	
Computerized Marketing Services - computerized tire recall service will be offered to industry		Aug	19	25	Cybertek Labs. - analytical labs are supplying mass screening tests to help identify habitual drug users among potential employees		Dec	2	41	Ethylene capacity at Sarnia, Ont., will not be increased	N	Aug	26	28	
Conserv - time-sharing firms offering real-time order-entry and accounting packages		Aug	12	23	Cyprus Mines - Pima Mining see under name		Dec	2	41	Ethylbenzene monomer prices		Sept	23	22	
Cone Mills - wage increases		Sept	16	24	DOR Chemical - methanol plant in Haifa	R	Sept	2	87	Fiber venture Phrix Werke may be sold N		Dec	23	31	
Conoco Chemical Europe - oil-soluble sulfonates plant at Zeebrugge, Belgium	R	Aug	12	13	Dart Industries - paint price boosted		July	29	26	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidated Aluminum - shutdown of one of its four potlines		Dec	2	17	Dart Industries - acquisition of Lancy Labs.		Aug	15	32	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidated Fertilizers Ltd. - ICIANZ and Dow Australian officials deny that proposed merger of their nitrogenous fertilizer operations will raise prices to farmers	N	Dec	2	51	Polypolypropylene catalysts battle; company files judgment on Ziegler patent	N	Aug	5	69	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidated Gas Supply - natural gas rate cutbacks		Sept	30	15	Rexene Polymers Div. - PP copolymer for bottles: competition shapes up		Dec	9	10	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidated Mining & Smelting Co. of Canada - potash production quota	N	July	1	27	Days Ease Home Products Corp. - Addit, a liquid detergent		July	15	23	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidated Natural Gas - reapplies to NEB for export license to ship natural gas to U.S. and for permission to build associated pipelines	N	Nov	4	10	DeBell & Richardson - merger agreement with Chem Systems Inc.	N	Dec	2	44	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Consolidation Coal - formate process for removing sulfur dioxide from stack gases will get pilot testing	N	Nov	18	113	Deepsea Ventures - Tenneco plans to form an international consortium to dredge manganese-rich nodules from the ocean floor	N	Sept	2	17	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Continental Can - can-maker talks could affect labor picture for nonferrous metals	N	Nov	25	14	Deepsea - Antwerp complex completed	N	Nov	4	56	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Continental Oil Co. - agreement with Libya regarding posted prices of crude oil and tax provisions	R	Sept	30	17	Ultraform, joint venture, to make acetal resin		Aug	5	63	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Contract price for U.K. refinery at Immingham to be boosted	N	Aug	19	97	DeLaval Separator - Centrifuges report.		Sept	16	34	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Contract to supply yellowcake to TVA, uranium mining and milling complex in southeast Texas		Sept	16	21	Delta Metals Research - copper-manganese alloy that will dampen noise developed	N	Aug	12	33	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Oil companies are intensifying efforts to improve their public image		Dec	2	19	Delta Plastic - merger with Asahi Chemical	R	Nov	11	23	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Parner in Spain's first petroleum coke plant	R	Dec	16	42	Denki Kagaku Kogyo - Alfin rubber joint venture	R	July	8	34	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
Pitt-Consolid Div. - Process changes at refineries may hurt profitable spent caustic to cresylic reprocessing		Dec	23	33	Denova - electrolytic technology for Kashima Dental	R	July	8	34	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
VC monomer plant in Europe or U.K.					DeSoto, Inc. - Nichols, George elected president succeeding Bernard Malm, who continues as chairman and chief executive officer		Dec	23	14	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
					Phosphate-free, and presumably NTA-free, heavy-duty detergent for Armour-Dial	N	Dec	23	40	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
					Phosphate-free household detergent formulations	N	July	15	23	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
					Sears-DeSoto team up for detergent with phosphate and NTA Aug 12-31	N	Oct	21	31	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
					Desterreichische Stickstoffwerke - expansion plans	R	Oct	7	43	Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	
					Dettra Flag Co. - synthetic fibers, dyes, polymer coatings and plastics are among					Chloromethanes plant in Raguemine, La. expansion	R	July	29	19	

Water treatment unit will use Sul-biSol ion-exchange technology to convert mine waters to drinking water	N	Oct	28	35	Organic isocyanates capacity at Deepwater, N.J., plant to be doubled	R	Aug	5	27	ecological detergent a washout?	Sept	30	14	
Williams' preview and outlook appraisal of chemical tags	N	Sept	2	17	Petrochemical refinery considered	R	Aug	12	8	Economic Information Systems - computer data services help companies find marketers	Dec	16	49	
Dow Chemical (Australia) Ltd. - Australian investments may be merged	N	Nov	18	38	Refinery project off N Sept 23-12	R	Oct	7	19	ECOPETROL - synthetic detergent plant, R Aug 12-16	Sept	30	28	
Dow Chemical Europe - naphtha contract with Total for feedstock for ethylene plant at Terneuzen, Holland	N	Dec	9	20	Polyester film, selective price cuts	N	Aug	12	12	Synthetics complex would include DMT plant	July	8	33	
Dow Chemical-Latin America - raising prices of exported herbicides	N	Nov	18	100	Polyester film venture in Japan possible	N	July	29	27	Eyegult Vegyimuek - detergent production study	N	Oct	21	31
Dow Chemical of Sweden - styrene butadiene latex plant at Norrköping	N	Dec	9	20	Process for removing cyanide from zinc electroplating rinse water	N	Nov	18	113	Elor Chemical - Rock House sulfur - from-gypsum plant progress	N	Nov	4	63
Sweden N Sept 2-81	N	Dec	9	20	Qiana fiber prices	N	Nov	11	27	Plant to close, company asks ASE to suspend trading in Elcor	Nov	18	42	
Dow Corning - dimethyl silicone compounds, emulsions, fluids prices N Oct 7-37, N Oct 14-28	N	Dec	23	40	Sales and earnings	N	Oct	21	17	Considering three options in effort to alleviate financial plight, caused by its problem-plagued sulfur venture	N	Dec	9	41
Silicone rubbers prices	N	Nov	25	21	Linden, N.J., complex to be installed	N	Sept	23	12	Eldib Engineering - nonionic secondary alcohol surfactants are booming	Aug	12	21	
Silicones plant in Senefelt-Manager, Belgium	R	Aug	5	27	Seeking injunction to stop Eastman "infringing" upon patent used in processing polyester fibers for carpet and apparel	R	Dec	9	14	Study speculates that detergent legislation may mean major changes in detergents	Nov	18	100	
Soc. Industrielle des Silicones' share sold to Rhone-Poulenc	R	Aug	5	27	Shapiro, Irving, vice-president: He found law easier than child's play	N	Sept	9	64	EIF-Aquasine - Aquitaine Organico see under name	Sept	9	57	
Tires filled with foamed elastic material	July	8	36	Sodium cyanide product prices	N	Sept	9	41	EIF-ERAP - joint venture projects	Sept	9	57		
Dow Uniquina - Bilbao area faces labor unrest as workers protest the trial of 16 Basque separatists	N	Dec	23	31	Suit filed against Matador Chemical for damages to Sabine River Works caused by Matador explosion	N	July	22	10	Methanol unit near Mannheim, W. Germany	Nov	25	32	
Sales and earnings	N	July	8	32	Swiss bond issue funds will be used to expand operations in Europe	N	Nov	11	27	Total and E-E combine almost all their petrochemical operations into Aquitaine Organico	Sept	16	18	
Dravo Corp. - Aeropack packaged waste treatment unit patents applied for	N	Sept	23	12	Technology pact with Viskoz-Loznica for the production of cellulose film	N	Nov	25	32	Elizabeth Arden Sales - American Cyanamid's agreement to acquire EAS predates Eli Lilly's arrangement of acquisition	Oct	14	22	
Dun & Bradstreet - computer data services help companies find markets, customers	Dec	16	49	Thermal system for duplicating video	N	July	8	40	AC will sue for court enforcement of an agreement	N	Oct	28	14	
Dunlop Rubber Co., Ltd. - Firelli and Dunlop will "consolidate interests"	Dec	16	16	Toluene diisocyanate prices	N	Nov	11	27	Elizabethtown Gas Co. - noncatalytic continuous-process unit to make 1,000 Btu. gas	July	8	30		
Du Pont de Nemours, E.I. Co., Inc. - acetal and nylon resins prices	N	Aug	12	21	Trade secret suit against professional photographers Rolfe and Gary Christopher for spying: court rules for Du Pont	N	July	29	12	El Paso Natural Gas - Cascade Natural Gas charges El Paso "unfairly" gives a high-priority interruptible whole-sale natural gas service to "ineligible" industrial customers in the Pacific Northwest	Sept	2	25	
Anti-leak Zerex antifreeze attacked by FTC, DP denies charges	N	Dec	2	14	Winning Del. glycol-ether chemical firms: "It's up to you", strike Lurie	Sept	2	37	Files application to import LNG from Algeria in special cryogenic tankers	N	Sept	30	21	
To challenge FTC on advertising charge	Dec	9	11	Du Pont of Canada - auto strike causes layoffs	Sept	30	17	16	Natural gas rate cuts	Sept	30	15		
Barksdale, Wis., plant will discontinue TNT and nitric acid production	N	Aug	12	21	Canadian profits up	Aug	12	16	Emery Industries - acquisition of 51% of Jordan Chemical's common shares planned	R	July	8	20	
Bell & Howell's analytical instruments line manufactured at Monrovia, Calif., to be purchased	N	Aug	12	6	Columbia Cellulose suit based on claims of breach of contract and warranty, and negligence	R	Sept	2	28	Empresa Colombiana de Petroleo - see ECOPETROL	Dec	2	52	
Carpet-grade continuous filament nylon prices	N	Sept	30	21	Employee layoff; polyester fiber plant for Morrisburg, Ont. postponed	N	Aug	26	28	Empresa e Industrias Aragoness - acrylonitrile joint plant at Tarragona	R	Dec	2	52
Cleveland: Refrigerant gas makers are hauled up on conspiracy charges	Sept	9	17	Maitland, Ont., plant layoffs	Nov	18	45	39	Engelhard Minerals & Chemicals - Blake A.G. discusses chemical outlook and problems for '71	Oct	21	17		
Copper-bearing electroplating chemical prices	N	July	1	27	Polyester fiber plant postponed	N	Nov	25	15	Buy 48.4% of Soc. de la Cornouaille	Sept	23	19	
Copper venture with Cliffs Copper will try bacteria approach	N	Oct	28	35	Trims staff	N	Nov	25	15	Francis's shares from Cie. de Mokta R Engineering-Science Inc. - report charts routes to better control of petrochemical pollution at lower cost	Oct	7	49	
Corfam second generation; new poromic entry	Nov	11	34	Dutch State Mines - acquisition of Allied's 50% share in Synres	N	Sept	23	39	Correction - letter	Dec	2	5		
Corian material for bathrooms	Sept	2	79	Ammonia older units to shut down, but new installation will boost the company's overall capacity	July	8	15	73	Enjay Chemical - headquarters move to Houston, Tex.	Oct	14	19		
Delrin: polycarbonate prime for big future (chart & tables)	Aug	5	63	Gas plant at Geleen	R	Oct	7	42	Humble's Linden, N.J. blast alters supply lines	Dec	16	17		
Delrin acetal resin plant in Dordrecht, Holland	N	Sept	23	39	Joint methanol unit at Delfzijl	Nov	18	73	N.J.'s Dept of Environmental Protection charges air pollution	N	Aug	12	6	
Device to turn brackish water into drinking water, economically, developed	R	Dec	16	18	Melamine plant at Geleen late in coming onstream	Oct	21	32	Phthalic plant at Baton Rouge, La., under construction (chart)	July	1	29		
Direct savings from using computer programs for piping design	July	15	75	Pipeline to link VCM unit at Tessenderloo, Belgium with PVC plant at Beek, Holland, under construction	N	Oct	21	73	Enka Glanzstoff - polyester fiber capacity in Colombia boost	July	8	33		
Drug use is fast becoming another costly problem	Nov	25	16	Planning to trim its payroll	N	Dec	16	37	Steel tire-cord plant to be built at Lime- 100	Aug	5	27		
Du Pont, Pierre IV goes to Washington	Nov	25	40	PVC plant capacity will be boosted to help supply SCC	R	July	22	38	Ente Nazionale Idrocarburi - Italy plans to triple output by '80	July	29	26		
Economist C. Reeder sees brighter economic prospects for '71	N	Nov	25	9	Stamcarbon see under name	Oct	7	37	Labor peace: key to snapping Italy's long slump	Oct	7	39		
Elavx to treat canvas tents	July	15	67	Sulfur melting capacity upped	N	Oct	7	37	Natural gas: Lower prices may spur European use of Dutch gas	July	15	26		
Employee layoff at Deepwater, N.J. plant	Dec	16	17	Duval Corp. - pollution-free, hydro-metallurgical system of processing copper ore concentrates	Aug	12	12	Plans for first half of '70, natural gas plants	N	Aug	19	31		
Employee layoff at Spruance fiber plant	Nov	13	14	Potash production quota	N	July	1	27	Enterprise Miniere et Chimique - vacuum salt plant planned	R	July	22	38	
European facilities to formulate precious metal compositions for thick-film micro-electronic circuitry	R	Oct	7	42	Dr. Dvorkovitz & Associates - computer data services help companies find markets, customers	Dec	16	49	Envirochem Systems - plastic litter: research on solid-wastes pyrolysis	Sept	9	15		
Fiber makers lay off thousands as their market weakens	Oct	21	22	Dynamic Metals Corp. - foamed aluminum	N	July	29	34	Enzon Mining Co. - There must be better ways...K. Hasebe found dead - Viewpoint	Aug	19	5		
Formaldehyde plant at Healing Springs, N.C. N Aug 5-17	N	Nov	25	9	ESB Inc. - agreement with Flintkote to produce and market a new line of modular wall systems	Dec	9	14	Ervin - American Cyanamid merger plans	Aug	12	13		
Gibbstown, N.J. sodium nitrite capacity expansion	Oct	7	19	R Exide power systems div. will discontinue operations in Chicago	R	July	15	32	Escambia Chemical - Pensacola, Fla., fertilizer complex expansion	July	15	26		
Home-sewing market gets push from fiber makers	Sept	2	24	Zinc-air "throwaway" battery introduced N Oct 14-41	C	Nov	18	120	Eso Chemical Industrial - alkylbenzene unit	Dec	16	38		
Hydrogen peroxide expansion completed; new addition will start	R	Oct	21	26	Eagle-Richer Industries - Ohio Rubber Div. - auto strike causes layoffs	Sept	30	17	Essex Chemical - Chemico's system will help utility meet stack emission regulations without using low-sulfur fuel, also yield sulfuric acid	July	15	69		
Ireland's Maydown plant not affected by recent riots	N	July	15	73	Zinc oxide prices	N	Sept	23	22	Eso Chemical - acquisition of full ownership of Fibras Esso and Amoniaco Espanol	N	Dec	23	31
Kastone system to remove cyanide ions from plating wastes	Dec	16	54	Earth Resources Co. - Nacimiento copper mine, New Mexico, work begun	R	July	8	20	Ammonia plant in Rotterdam	July	8	15		
Lead alkyls prices	July	22	15	Eastalco Aluminum - aluminum reduction plant in Frederick County, Md. starts up N Oct 28-13	Dec	2	17	Britain's plant buildup (table)	Nov	4	52			
Lead paint poisoning prompts a look into three bills to regulate the labeling and sale of such paints and help communities remove lead paint from old buildings	Sept	2	24	Eastern Nitrogen Ltd. - Australian investments may be merged	N	Nov	18	38	Forms a new company, Esoschem Europe	R	Dec	16	42	
Licenses color meter sales rights to Neotec Corp.	R	Sept	16	25	Eastman Chemical Products - Coatings Chemicals and Industrial Chemicals divisions formed	July	1	10	Interest in Fertica will be bought by Guanos y Fertilizantes	N	Aug	19	31	
Lucite resin for 35-ft moving van	Sept	2	79	Distillation Production Div. - vitamins for animal feed	Dec	2	26	Manilan ESFAC fertilizer plant may be bought by IMC	N	July	8	31		
Luxembourg's Mylar polyester film plant expansion	N	July	8	32	Du Pont seeking injunction to stop Eastman "infringing" upon patent used in processing polyester fibers for carpets and apparel	R	Dec	9	14	Eso Eastern Chemical - Japan Butyl Co. see under name	R	Sept	2	28
Major foreign projects in West Germany (table)	Sept	23	32	Single-component floor polish stripper formulation based on phenyl diethanolamine	Dec	23	16	Esso Overseas Finance N.V. - stock offering	Sept	2	28			
McCoy says '70 per-share earnings will probably be in \$6.60-6.75 range	Nov	25	16	Eastman Kodak - Zornow, Gerald, president: Athlete-salesman makes the right decisions	July	1	48	Esso Research & Engineering Co. - liquid membrane technique for difficult mixture separations - ACS meeting	Sept	23	46			
Methionine hydroxy analog for poultry and cattle	Dec	2	30	Easton, James D, Inc. - aluminum arrow components	Oct	28	38	Nickel-copper alloy catalyst to reduce 90% autos' nitrogen oxide emissions discovered	N	Oct	21	88		
Military buying of CPl products is dropping	N	Nov	18	49	Eaton Laboratories - L-dopa: which way to a winner?	Oct	21	99						
Nader, Ralph, eyes studies of Du Pont, Justice Dept. and FTC	July	1	14	Eaton, Yale & Towne, Inc. - air safety bags: four man-made materials under consideration	N	Sept	23	11						
N.J.'s Dept. of Environmental Protection charges air pollution	N	Aug	12	6	Ecology Corp. of America - Eco-G-									
Niagara Falls, N.Y. plant strike	Oct	14	23											
Not suitable to contract out all advertising but sees merits in the plan for the small industrial account	July	29	16											
Organic Chemical Dept. - Computer time sharing helps on-line order-entry system speed product distribution	Aug	12	22											

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Eso Chemical Fertilizer & Agricultural Chemical Co. - fertilizer plant may be sold to IMC	N	July	8	31	Phosphorus furnace at Flushing, Netherlands	R	Aug	12	16	Foster Wheeler Corp. - contract for major oil refining complex on Oahu, Hawaii	R	July	15	32
Eso Standard Oil - Gewerkschaft Brigitta see under name					Sales and earnings: first half of '70	N	Aug	19	31	Fitzgibbon, Jack, at AIChE meeting discusses new look in chemical processing	R	Nov	11	41
Essochem Europe - formed to coordinate the Esso group's operations	R	Dec	16	42	Eight months of '70	N	Sept	30	24	Isobutane-cracking furnaces - letters		July	29	5
Ethyl Corp. - Ethyl Toyo see under name					Profit squeeze tightens	N	Oct	7	42	Freeman Chemical - Chemplot 30-1579 and 30-1677 - flame-retardant urethane insulation competition	N	Oct	28	27
Foamed aluminum can be sawed, milled, turned or foamed into diverse shapes	N	July	29	34	Sammet, Rolf: He knows how to get to the top	N	Oct	14	60	Freeport Queensland Nickel - ore royalties will be paid to Queensland, Australia	R	Nov	25	16
Lead alkyls prices	N	July	22	15	Worldwide plastics growth slows but company planning major expansions		Dec	9	39	Freeport Sulphur Corp. - diversification into copper, nickel and asbestos is under way		Oct	28	21
Lead antiknock fluids prices N July					Farmland Industries - Dow's PE pellets to replace the hay normally used to supply roughage for cows	N	July	29	33	Wilson, Forbes, president: He's been a rock collector all his life		July	8	48
Magnolia, Ark., plant to produce brominated hydrocarbon intermediates	R	Aug	12	13	Phosphoric acid unit adjacent to Bartow, Fla., phosphate plant	R	July	15	32	Friedrich Uhde - engineering for Swedish alkaline chloride plant	R	Aug	12	16
NTA: company may become producer N July 22-9, Aug 19-26	N	Oct	14	13	Federal Mogul Corp. - Superlatoy P/M parts can be forged	N	July	22	29	Hydrochloric acid plant for Bayer-Shell	R	Dec	16	42
VisQueen Div. - polyolefin plastic films plant at Manchester, Ia., planned	N	Oct	28	13	Fetex New Zealand, Ltd. - Goodrich-Good-year battle over subsidiary ownerships		July	15	27	Fries & Fries - acquired by Mallinckrodt	R	July	15	32
Ethyl Toyo - lead additives plant at Yamaguchi startup may be delayed if efforts to change shipping rules are unsuccessful	July	29	18	Ferostall - Malaysian titanium dioxide plant study	N	July	1	31	Frost & Sullivan - process equipment control business report	R	Sept	23	19	
Ethyltox - Aquitaine Organico see under name					Fertica - Esso's interest will be bought by Guanos y Fertilizantes	N	Aug	19	31	Fuel Desulfurization, Inc. - heavy-fuel desulfurization plant in South Portland, Me., awaits approval N July 29-11	N	Aug	5	18
Evans Products - reciprocity crackdown	Nov	18	42	Fertilizantes Fosfatados Mexicanos - Austral Pacific Fertilizers buys liquid phosphoric acid	R	Aug	19	27	Furukawa Chemical Industries - polypropylene plant at Kawasaki	R	July	29	26	
FMC Corp. - American Viscose Div. - AFL-CIO says textile workers losing jobs because of increased imports of rayon staple fiber	N	Nov	18	37	Fiat Grandi Motori - Europe hampers giants says G. Agnelli	Dec	9	13	Furukawa Group - will buy Goodrich's 20% interest in Geon	Sept	23	41		
American Viscose Div. - strike at Newark, Del., plant settled	July	8	19	Fibras Esso - Esso Chemical acquires full ownership	N	Dec	23	31						
COED pilot plant in Princeton, N.J., dedicated	N	Oct	21	88	Firestone Hispania - Bilbao area faces labor unrest as workers protest the trial of 16 Basque separatists	N	Dec	23	31	GAF Corp. - agreement makes its film the "official film" for Disney market	Sept	23	17	
Detergent phosphates have not been proved to be a key factor in auto-phosphatation says company	July	15	24	Firestone Tire & Rubber - acquisition of Radiation Dynamics shares	R	Oct	28	21	N.J.'s Dept. of Environmental Protection charges air pollution	N	Aug	12	6	
Ecolo-G controversy	Sept	30	14	"All-position" tire development	N	Dec	23	10	Nylon-4 addendum - letter	Oct	21	14	5	
letter	Nov	25	5	Contract agreement with URW expected soon	July	1	16	Gamma Processing - commercial gamma operation	July	29	18			
Flame-retardant vinyl plasticizer launched	N	Oct	28	28	Denies FTC charges against auto	Oct	28	19	Gas del Estado - Dow considers Argentine partners for ethylene-based petrochemical project in Bahia Blanca	N	Aug	12	15	
Hormone pest controllers: material structurally similar to juvenile hormone	Aug	19	98	FTC will issue complaint against Big Five tire makers requiring an end to leasing arrangements with bus companies	N	Nov	11	14	Gas Natural Co. - Barcelona's regasification plant opened	N	July	1	31	
Petro-Tex see under name					Flotation tires	July	8	36	Gasversorgung Sueddeutschland - considering bringing Soviet natural gas to the Stuttgart area	July	15	26		
Rumanian joint venture plans	N	Oct	28	43	Kenya tire plant under way N Aug 5-80 R Liquid-molded, cordless tire being tested	Nov	11	20	Geigy AG - 99 profits (table)	Oct	14	37		
Soda ash producers switch to trona to counter rising costs	Dec	9	32	Phosphonitrilic polymers will be the subject of a development and marketing effort	N	Sept	2	69	Paisley organic pigments near Glasgow, Scotland expansion	R	July	22	38	
Sodium tripolyphosphate prices	N	Sept	23	22	First Hartford Realty - merger with Wyandotte	R	Aug	26	18	Geigy Australia Pty. Ltd. - DDT substitutes being tested	N	Aug	12	33
FS Services Inc. - purchases Monsanto's "agricultural centers" in Ill. and Iowa, and ammonia terminals in Iowa and Neb.	N	Nov	18	99	First Mississippi - Donaldsonville, La., plants include urea and ammonia complex and melamine plant	N	July	22	9	Geigy Chemicals Ciba merger proposal gets U.S. Justice okay R July 15-32	July	22	18	
Fabricaciones Militares - aromatics project goes ahead	N	July	8	32	Metchem Corp. see under name				Antitrust division spells out requirements for merger	July	29	15		
Dow considers Argentine partners for ethylene-based petrochemical project in Bahia Blanca	N	Aug	12	15	Fish Engineering - contract for Shell Oil's "largest sulfur recovery plant in the U.S."	N	Oct	14	14	Merger approved	Oct	28	43	
Fabricated Steel Products - acquired by Standard Alliance Industries	R	Aug	19	27	Fisons, Ltd. - Agrochemicals and Industrial Chemicals divisions to be merged	R	Dec	2	52	Merger causing reshuffling of some divisions	N	Nov	4	18
Farbenfabriken Bayer AG - acquires Allied's 50% interest in Iranian nylon producer Sherkat Sahami Alaf	N	July	29	28	Fitchburg Paper Co. - develops no-copy paper for use with special ink to prevent the reproduction of newsletters and other documents for limited distribution	N	Nov	18	110	General American Transportation - N.J.'s Dept. of Environmental Protection charges air pollution	N	Aug	12	6
Bids for International Coating Materials Withdraws its bid	N	July	29	28	Firstco - agreement with ESB to produce and market a new line of modular wall systems	R	Dec	9	14	General Aromatics - acquired by Stepan Chemical	R	Nov	25	16
"Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (table)	Sept	23	29	87	Fluor Canada - natural gas liquids extraction plant for Imperial Oil	R	Oct	28	21	General Cigar - acquisition of Bernas Plastics and Pan American Products planned	N	Nov	11	13
Chlorine plant at Dormagen	Nov	4	56	Footco Mineral Co. - Chairman Bliss sees steady growth in metals business and lithium operations	N	Nov	18	44	Ex-Lax stock won't be sold to Pfizer	N	Nov	11	13	
Formaldehyde plant at Uerdingen under construction	R	Sept	2	85	Rhodesia's chrome ore problem may be eased	N	July	1	10	General Crushed Stone - merger with Koppers	N	Aug	26	11
Sales and earnings: first half of '70	N	Sept	2	81	Ford Motor Corp. - antitrust case: company blasts federal court decision ordering it to sell off its spark-plug plant and one of its two battery plants, and to give up its much-publicized Autolite tradename	N	July	15	19	General Dynamics - nuclear undersea tankers for shipping Alaskan oil studied	Sept	2	23	
Profit squeeze tightens	Oct	7	42	'71 model equipped with a dual-bed catalytic converter	N	Dec	16	60	Undersea generating station feasibility study	N	July	22	34	
Profit in '69 (table)	Oct	14	37	Plastics in cars	N	Aug	26	12	General Electric Co. - high-intensity discharge lamp that closely duplicates sunlight developed	N	Oct	14	41	
17% drop in the first nine months of '70	N	Nov	11	39	Causes only 2.9% drop in sales	Oct	14	21	Hydraulic fluid prices	N	Dec	23	40	
Shaefer, Eugen B., chemical representative in Spain kidnapped by Basque separatists	N	Dec	9	20	Settlements help ease U.S. auto suppliers' problems but the outlook is still bleak in Canada	Dec	16	16	Lexan: Chaparral 2J racing car will use Lexan	July	22	16		
Technology for Japanese isobutylene oligomer plant	R	Dec	16	39	Unions denounce the initial contract proposals of the "Big Three"	Sept	9	16	Lexan project expansion at Mt. Vernon, Ind.	N	Nov	4	9	
Titanium-containing minerals exploration in Sierra Leone	R	Sept	2	85	Foremost-McKesson Co. - develops a high-protein whey concentrate and solves a pollution problem at the same time	N	Nov	25	27	New techniques for process control UOP's Process Div. will distribute silicone antifoams manufactured by GE	R	Nov	18	46
TDI price increase	N	July	22	24	Morrison, William, president: Happiness is weekends at his own ranch	N	Sept	16	78	General Electric R&D Center - germanium developed as "purest substance on earth"	N	Oct	28	35
VA: National Distillers antitrust suit against Bayer, Hoechst and Celanese relating to VA and acetaldehyde	R	Aug	12	13	Formica - Cincinnati, O., plastic laminates plant to be phased out N Dec 9-7	R	Dec	16	18	General Foods - reciprocity crackdown plant at Melle to produce xanthan gum	R	July	8	33
Farbwerke Hoechst AG - acquisition of Brasileira de Sintetico, nylon and polyester fibers expansion program	R	Nov	11	23	Fort Chemicals - Britain's plant buildup (table)	Nov	4	52	Nutrition hearings are under way; cereal makers defend products	Sept	30	16		
Acquisition of 26% interest in Stollack, N. "Big Three" are spearheading the West German expansion thrust: firms plan worldwide expansion; major projects (table)	N	Dec	23	31	Fortified Polymers Pty. - license agreement for manufacture and sale of glass fortified (reinforced) thermo-plastic materials in Australia and N. Zealand	R	Dec	2	22	General Motors - Canadian industries slowed by GM strike	Oct	21	23	
Bond issue to finance expansion	N	Oct	14	35	Fosfatbolaget - alkaline chloride plant in Stenungsund expansion	R	Aug	12	16	Catalytic mufflers to be installed on some '73 cars, on all '75 models	N	Sept	23	49
Gendorf VC plant will switch to oxy-chlorination process employing only ethylene	N	Oct	7	48	Name changed to Kennarod AB	R	Nov	11	23	Fisher Body Div. - four man-made materials under consideration for use in air safety bags	Sept	23	11	
German Remedies Taiwan see under name					Fosforico Espanol - phosphoric acid and ammonium phosphate capacity to be upped	N	Aug	26	28	Plastics in cars	Aug	26	12	
Increases holdings in Hans Schwarzkopf from 25 to 48%	Aug	5	80	Foster Grant - Ashland Oil acquisition offer awaits approval	N	Nov	11	14	Strike: Deadline is Sept. 14	Aug	5	27		
Joint subsidiary with Petropar in Goeteborg to produce plastic dispersions	N	July	1	31	Negotiations called off	Dec	23	15	Hurting suppliers and chemical producers Sept 23-16, Causes a 57% decline in sales	Sept	30	17		
National Distillers antitrust suit against Bayer, Hoechst and Celanese relating to VA and acetaldehyde	R	Aug	12	13					Third-quarter '70 net loss	N	Nov	4	9	
'69 profits (table)	Oct	14	37						Paralyzes antipollution and safety project works	Nov	4	16		
									Talks go critical, raise concern among chemical makers	Nov	11	20		
									Auto strike toll (table)	Nov	18	44		

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Kinetics Corp. - Freon touted for use in pollution-free auto engines	N	Aug	26	33	Elanco Div. - animal feed additives producer	Dec	2	26	planned	Oct	21	32		
Kislidjan h.f. - diatomite mine and processing plant near Lake Myvatn, Iceland	N	July	8	33	Kalcion (cephaloglycin dihydrate) okayed for sale in U.S.	N	July	15	19	Merck & Co. - animal feed additives producer	R	July	8	33
Kloekner Industrie - nitric acid plant for Czechoslovakia	N	Aug	5	80	Methadone, new pharmaceutical form, for heroin-addiction treatment centers in the U.S.	N	July	15	19	Aspirin: Merck tests new pain killer, flufenal, aiming at a "super-aspirin"	Dec	2	26	
Knost, Homer - joins with Lurgi to establish Lurgi-Knost	N	July	22	33	Sales and earnings, first six months of '70	N	July	15	19	letter	July	15	51	
Kohjin - biaxially oriented nylon film and biaxially oriented PP film at Fuji plant	R	Aug	12	16	Limburg Vinyl - VCM for Soc. Chimique des Charbonnages	R	July	22	38	Merger talks with National Starch called off	Sept	30	5	
Komachi - will import UC's Dynel and turn out about 200,000 hairpieces/month	R	Dec	2	20	Liquichimica Augusta - LAB plant under construction	Aug	12	25	MSG imports cause of U.S. producers quitting the business	July	15	28		
Koppers Co. - coke ovens for Dominion Foundries & Steel's Hamilton, Ont., installation	N	Sept	9	10	Liquid Carbonic - liquid carbon dioxide plant at Ft. Dodge, Ia.	R	Dec	16	18	Nasal sprays: plans to ban 15 such combination drugs from the consumer market	Sept	2	28	
Merger with General Crushed Stone	N	Aug	26	11	Oxygen producers zero on waste treatment (chart)	Nov	18	95	Nonmetallic additive for paint fungicides under development	Oct	21	83		
National Steel's order for new battery of 87 coke ovens	N	Nov	11	13	Liquid Nitrogen Processing Corp. - license agreement for manufacture and sales of glass fortified (reinforced) thermo-plastic materials in Australia and N. Zealand	R	Dec	2	22	Quinine: company taking steps to prevent illegal use	Oct	14	21	
Phthalic addition at Chicago, Ill. (chart)	July	1	29	Liton Industries - Navy contract to build 30 destroyers won	N	July	1	19	Research employees laid off	Dec	2	22		
Phthalic anhydride prices	N	Aug	26	27	Lonza, A.G. - niacin unit could bring back the soft prices of the '60s	Nov	25	25	Merck, E. AG - sets up E. M. Laboratories at Eimsford, N.Y.	R	Dec	2	22	
Strike at Petrolia, Pa. plant settled	July	8	19	Louisiana Towing Co. - court rules company must pay damages and salvage expenses for barge sunk in the Mississippi River in June '66	N	Sept	16	17	Merichem Co. - cresylic acid expansion	R	Oct	7	19	
Koppers, Heinrich GmbH - Boost for coal - letter	Sept	16	5	Lucas, Joseph, Ltd. - Norton Co. licenses high-density silicon nitride	N	Dec	23	23	Laboratory that will do research on pollution abatement	R	Sept	16	25	
Korea Oil - Naphtha-cracking complex at Ulsan (map)	Dec	16	38	Lummus Co. - C.E. Lummus: Dutch subsidiary will design and engineer PVC plant at Pernis for BICM	R	July	22	38	Process changes at refineries may hurt profitable spent caustic to cresylic reprocessing	Dec	23	33		
Gulf Oil will increase its stake in KO	R	July	29	26	C-E Lummus: engineering for Taiwan VCM plant	R	July	29	26	Metallgesellschaft - Tenneco plans to form an international consortium to dredge manganese-rich nodules from the ocean floor	N	Sept	2	17
Korea Pacific Chemical - Dow-Chungmu Fertilizer joint venture in PE and VCM (map)	Dec	16	38	C-E Lummus: phthalic anhydride plant, based on BASF process for Finland	R	Sept	16	25	Will sell sulfur capacity from new plants	N	July	22	24	
Petrochemical complex at Ulsan, S. Korea	R	July	8	33	C-E Lummus: Russia to launch big petrochemical project with U.S. technology	Dec	16	15	Metals Exploration Queensland Pty. - ore royalties will be paid to Queensland, Australia	R	Nov	25	16	
Korea Petrochemical - PP joint venture	Dec	16	38	C-E Lummus: technology to produce polymer-grade ethylene to be used at Indian Petrochemical plant	R	Oct	14	38	Methchem Corp. - methanol plant planned	N	July	22	9	
Korea Synthetic Rubber - styrene-butadiene rubber plant	Dec	16	38	Contract for Japanese styrene monomer plant using Monsanto technology	R	July	8	34	Michelin Tire - polyisoprene synthetic rubber plant at Le Havre, France planned	N	Oct	28	14	
Kraft Foods - Carrageenan plant at South Portland, Me., acquired by Stauffer	R	July	8	20	Lummus Co. Canada - contract for Bruce Heavy-Water Plant	July	1	40	Michigan Wisconsin Pipe Line - partner in research project to find out feasibility of bringing natural gas from Alaska's North Slope and northern Canada to central Canada and U.S. Midwest	N	July	22	23	
Krebs & Cie. - contract for Mexican electrolysis chlorine-caustic plant	R	July	8	33	Lummus Nederland - contractor for Dow ethylene plant	Oct	7	43	Midrex - direct-reduction plant	N	Sept	2	22	
Contract to supply phosphorus insecticides plant	R	Sept	9	20	Lurgi - ethylene plant for Pakistan joins with Homer Knost to establish Lurgi-Knost	N	July	22	Midwest Oil - Phillips Petroleum bids for acquisition	N	Nov	4	9	
Nitric acid plant for Czechoslovakia	R	Aug	5	80	Lurgi-Knost - formed by Lurgi and Homer Knost to provide total engineering-construction package	N	July	22	33	Miles Labs. - Compton says this year's profits will be well below projections	R	Dec	23	18
Sulfuric acid plant for Greece	R	Oct	7	43	M&T Chemicals - antimony oxide prices	N	Nov	18	99	Milner, J.C. - acquired by Doric Corp.	R	Oct	7	19
Kureha Chemical Industry Co. - crude-cracking unit to make ethylene and acetylene starts up	N	Nov	11	43	Attains full ownership of Billiton-M&T Chemische Industrie	R	Sept	16	25	Mitmaster Onyx Corp. - acquisition of Radiotronics' Polymer Div.	R	Nov	4	18
Kymene Aktiebolag - C-E Lummus will engineer phthalic anhydride plant based on BASF process	R	Sept	16	25	Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	3M Co. - management changes: Harry Heltzer to chairman of the board and chief executive officer; Raymond Herzog to president	R	Aug	19	27	
Subsidiary to produce hydrogen peroxide and organic peroxide in Finland	R	Aug	12	16	Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	"Pull-string" bow	Dec	16	30		
Kyowa Hakko Kogyo - synthetic protein plant planned	R	Dec	16	40	Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Scotchgard for water- and stain-repelling tents	July	15	57		
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Trimethylate acid for chemical research	N	Sept	23	49
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Triethylamine chemical industries - ammonia plant uses coke-oven gas as fuel, and naphtha as feedstock	R	July	8	34
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	Cabot denied Japanese patent rights on its oil-furnace carbon black process	N	Aug	19	97	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Chiba rejects plans for refinery and petrochemical complexes	R	Oct	7	43	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Ethylene plant plans cut in half	N	Dec	2	51	
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Isobutylene oligomer plant at Mizushima, Japan to push prefabs: series of agricultural communities envisioned	Nov	18	74	
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Petrochemical complex in Singapore feasibility report	Sept	23	39	
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	Sales and earnings, six-month	N	Sept	23	39	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Technology for Ciguine Petroquímica plant at Salvador, Brazil	N	Aug	5	79	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Toluene sold to Standard Oil of Calif.	N	Sept	16	58	
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Mitsubishi Heavy Industries - butadiene plant in Russia	Sept	30	28	
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Will build plant for Ciguine Petroquímica at Salvador, Brazil	Aug	5	79	
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	Mitsubishi Petrochemical - cyclododecane for nylon-12: new process developed	N	Sept	2	89	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Turkish petrochemical complex	N	Oct	14	35	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Mitsubishi Plastics - polyester film venture with Du Pont possible	N	July	29	27	
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Mitsui & Co. - acquisition of Sham Progetti patents for making aromatics, isoprene monomer and polymer and PE	R	Aug	12	16
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Chemical sales boosted	R	Oct	7	43
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	Chiba rejects plans for refinery and petrochemical complexes	R	Oct	7	43	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Polymer plant and polyester fiber unit in Taegu, Korea	R	July	29	26	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	PVC pipe plant for Dominican Republic	N	Aug	5	80	
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Turkish petrochemical complex	N	Oct	14	35
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Mitsui Petrochemical Industries - HDPE technology for Rumanian plant	R	July	8	34
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	Hydrocarbon resin plant	R	Sept	16	23	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Japan to have world's first commercial synthetic wood-pulp plant	N	Dec	16	37	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Kaneka-Belgium see under name	R	Oct	7	43	
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Terephthalic acid plant	R	Oct	7	43
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Toluene sold to Standard Oil of Calif.	N	Sept	16	58
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16	World's first commercial aniline plant using phenol and ammonia as raw material built at Chiba complex	N	July	22	39	
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16	Mitsui Toatsu Chemicals, Inc. - polystyrene modified with EPT will be marketed	N	Dec	2	43	
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41	Sueyoshi, Toshio - keeps his cool when going is rough	Dec	16	68		
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11	Urea- and melamine-based adhesives plant at Chiba works	R	Nov	18	74
					M&T Chemicals - antimony oxide prices	N	Nov	18	99	Mobay Chemical - polycarbonate resin prices	N	Nov	4	24
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16						
					Magna Power Co. will sell steam to Pacific Gas & Electric	July	29	16						
					Magna Corp. - stainless steel cooler for sulfuric acid plants developed in conjunction with CIL	Oct	14	41						
					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11					
					M&T Chemicals - antimony oxide prices	N	Nov	18	99					
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16						
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					Marine Clean Fuels, Inc. - heavy-fuel desulfurization plant will be built at South Portland, Me.	N	July	29	11					
					M&T Chemicals - antimony oxide prices	N	Nov	18	99					
					Maestranza y Astilleros Delta - fishing boats made of polyester reinforced glass fiber under construction	Nov	4	16						
					Magna Power Co. will sell steam to Pacific Gas & Electric	July</								

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ned	Oct	7	41	and emulsions prices	N	Oct	14	28	headquarters' head will be H.V.W.	R	Aug	19	27	
Soc. Le Nickel - Kaiser Le Nickel see under name				Steelcase Mfg. - seamless floors: contractors and suppliers seek to rebuild a sagging market		Nov	18	96	Donahoe					
Soc. Mineraria e Metallurgica di Pertusola - Italian sulfuric acid plant contract to De Nora	R	Oct	7	42	Stepan Chemical - acquisition of General Aromatics	R	Nov	25	16	Robe River Iron Ore project in Western Australia set to begin	R	July	8	20
Soc. Nationale des Petroles d'Aquitaine - Aquitaine Organico see under name					Sterling Drug - strikes: union uses product boycott to bolster strike action	Oct	14	23	Solution mining may be answer to problems of mining potash from Cane Creek mine	N	July	22	33	
Joint-venture projects	Sept	9	57	Stevens, J.P. Co. - bucks wage trend: Moves 1,350 employees into its new Stevens Tower in N.Y. City	R	Dec	23	18	Thermal Power Co. - will sell steam to Pacific Gas & Electric	July	29	16		
Soc. Technique d'Enterprise Chimiques					Pay raise for 40,000 workers	Nov	18	45	Thermon Manufacturing - SECT system rights licensed from Chisso Engineering	N	Nov	11	43	
Kellogg, M.W. acquires 1/3 interest; another 1/3 sold to Sodetag subsidiary of Thomson Brandt	N	July	22	33	Stollack - Hoechst buys 20% interest	N	Dec	23	31	Thiokol Chemical - air safety bags: four non-made materials under consideration	N	Sept	23	11
Sodetag - purchases 1/3 interest in STEC	N	July	22	33	Stora Kopparbergs Bergslags - will build plant to make new type of non-woven textiles	R	July	8	33	Army contract for production of illuminating cartridges	N	Sept	2	17
Solar Compounds Co. - acquisition of Marbon's line of adhesives for ABS plastics	R	Dec	23	18	Sumitomo Chemical - appropriates about \$7.1-million for pollution control expenditures	N	Aug	5	80	Contract for production of solid-propellant rocket motors for Minuteman	July	15	26	
Solvay & Cie. - big buildup includes plants at Jemeppe complex and new pipelines; chloromethanes plant at Tavaux, France	R	July	22	38	BHT antioxidant production at Ohiia complex doubled	R	July	29	26	Crosby, Joseph resigns, will become chairman of the board's executive committee; replacing him H.W. Ritchey and Robert Davis will take over as president and chief operating officer	Dec	23	14	
CSB licenses high-density PE process	N	July	22	33	Ethylene plant plans cut in half	N	Dec	2	51	Nishio-Awai Co. appointed exclusive sales representative in Japan	R	Sept	2	28
HDPE design rights acquired by Power Gas	N	July	6	40	PVC process for DSM plant	R	July	22	38	Solid-fuel rockets plant at Bristol, Pa., hit by an explosion	R	Aug	26	18
'69 profits (table)	Oct	14	37	Sales and profits, six-month	N	Aug	12	15	Sumitomo Chemical Engineering - PVC plant in Malaysia, using Sumitomo process	N	Oct	5	80	
Subsidiary to produce hydrogen peroxide and organic peroxides in Finland	R	Aug	12	16	Sun Chemical - Barr, Edward, executive v.p.: A young man who's made it in the establishment	N	Nov	4	72	Teaching and training the disadvantaged turns into new business	July	22	41	
Sonatrach - methane joint venture plant at Arzew, Algeria	N	Dec	2	51	Sun Oil - East Coast olefins project plans shelved	N	Dec	9	7	Thompson Hayward Chemical Co. - identical chlorine bids may develop into a federal case	N	July	8	9
Will supply natural gas for 25 years to Columbia Gas and El Paso	N	Sept	30	21	Marcus Hook, Pa., complex to make olefins and aromatics	Aug	12	8	USDA warns "clean up your processing of 2,4,5-T"	N	Oct	7	14	
Soris - study finds Common Market's chemical industry is best prospect for purchase of large computer	N	Aug	19	31	Texas refinery damaged by Hurricane Celia	Aug	12	12	Thomson Brandt - Sodetag see under name					
Southern Extrusions - Howmet Corp. negotiating acquisition	R	Nov	11	23	Susquehanna Corp. - Pasco agrees to consolidate assets	July	8	19	Time Petroleum - electromagnetic subsurface survey system to probe for oil deposits will be tested	R	July	15	32	
Southern Petrochemicals Corp. - Polymers Div. - Houston polystyrene plant expansion	N	July	29	12	Swift Chemical - adhesives plant at Madison, Ill., under construction	R	Nov	11	23	Titagessellschaft - Malaysian titanium dioxide plant study	N	July	1	31
Speed-Gloss Co. - lead paint poisoning prompts a look into three bills to regulate the labeling and sale of such paints and help communities remove lead paint from old buildings	Sept	2	24	Sybron - Paudler Div. - Centrifuges report, Kenneth Brooks	Sept	16	33	Toagosei Chemical Industry - acrylics boosted	Dec	2	52			
Squibb, E.R. & Sons - animal feed additives producer	Dec	2	26	Sylvite - potash production quota	N	July	1	27	Toho Zinc - zinc output reduced because of mounting complaints about cadmium pollution	July	29	26		
Tetracycline case: federal court okays offer to settle damage suit	N	July	1	9	Synres - DSM will buy Allied's 50% share in Synres	Sept	23	39	Toho Zinc - zinc output reduced because of mounting complaints about cadmium pollution	July	29	26		
Will evaluate and may market series of nucleic acid-related chemical compounds for International Chemical Nuclear	R	Aug	26	18	Syntex - Zoccon Corp. see under name	Aug	5	80	Toagosei Chemical Industry - acrylics boosted	Dec	2	52		
Squibb Beech-Nut - merger with Lanvin-Charles of the Ritz possible	R	Nov	4	18	Syndicat Belge D'Enterprise a l'Etranger - East Germany orders ethylene plant	N	Aug	5	80	Toho Zinc - zinc output reduced because of mounting complaints about cadmium pollution	July	29	26	
Stamcarbon - Czechoslovakian nitric acid plant will use Stamcarbon process	N	Aug	5	80	TAFAL/lonarc - plasma processing system dissociating zircon sand to a composition essentially 70% zirconia and 30% silica	N	Aug	19	97	Tokuyama Styrene Monomer - ethylene-zene plant and styrene unit at Tokuyama City	R	Dec	16	39
Portuguese plants	Aug	12	16	Taiwan Komachi - will import UC's Dynel and turn out about 200,000 hairpieces/month	Dec	2	20	Tonon Petrochemical - butadiene plant at Kawasaki	R	Dec	16	39		
Standard Alliance Industries - acquisition of Fabricated Steel Products	R	Aug	19	27	Taiwan VCM - VCM plant near Tufen	R	July	29	26	Tong Suh Petrochemical - acrylonitrile plant R July 29-26	Dec	16	38	
Standard Brands, Inc. - Court order to reduce industrial wastes into the Hudson River	Nov	4	17	Tanabe Seiyaku - sales subsidiary in San Diego, Calif., set up	R	July	8	34	Tongbin Polymer - Korean plant	Sept	30	17		
Standard Gravure - solvent recovery plant at Louisville, Ky., to be built	R	Oct	21	26	Tanover - Tanabe Seiyaku's sales subsidiary in San Diego, Calif.	R	July	8	34	Toray Industries - acrylic wigs	July	29	26	
Standard Oil of California - Chevron Chemical see under name					Tantalum Corp. - Spodumene being tested in new flotation process	N	Sept	2	90	Polymer plant and polyester fiber unit in Taegu, Korea	R	July	29	26
El Segundo plant fined \$7,000 for polluting the air	R	Oct	14	22	Tata Enterprises - Solway-process sodium carbonate plant in Argentina	N	Nov	18	73	Sales and earnings for fiscal year: expanding into fiber raw materials and plastics	N	July	22	39
Japanese toluene deal	N	Sept	16	28	Techmashimport - Russia to launch big petrochemical project with U.S. technology	Dec	16	15	Total Chimie - Cie. de Petrochimie see under name					
Standard Oil (New Jersey) - nuclear power business	Sept	16	21	Techon - ion-exchange method of snaring precious metals from acid solutions undergoing feasibility studies	Dec	2	43	EI-ERAP and TC combine almost all their petrochemical operations into Aquitaine Organico	N	Sept	16	18		
Oil companies are intensifying efforts to improve their public image	Dec	2	19	Tect, Inc. - new, safer way to stabilize 1,1,1-trichloroethane developed	N	Nov	4	64	Joint-venture projects	Sept	9	57		
Standard Oil Co. (Ohio) - Baxex used in Pepsi-Cola's plastics bottle	N	July	8	39	Teijin Chemical - polyester for fibers new approach developed	N	Nov	25	27	Naphtha contract with Dow for feedstock for ethylene plant at Terneuzen, Holland	N	Dec	9	20
Baxex 210 glass substitute description	N	July	29	33	Teijin Ltd. - polymerization catalyst rights sold to ICI	N	July	8	39	Toyo Engineering - ammonia plants for East Germany will employ Kellogg technology Sept 16-23	Sept	30	28	
Baxex 210 can be incinerated without causing noxious gases	N	Nov	4	64	Teneco Hydro/Aeroscience - analytical labs are supplying mass screening services to help identify habitual drug users among potential employees	Dec	2	41	Russia to launch big petrochemical project with U.S. technology	Dec	16	15		
Ecology fervor sparks refinery building boom (table)	Nov	25	11		Tenneco Chemicals Inc. - management realignments	Oct	14	19	Toyo Melamine - melamine plant at Osaka	Oct	21	32		
Partner in research project to find out feasibility of bringing natural gas from Alaska's North Slope and Northern Canada to central Canada and U.S. Midwest	N	July	22	23	New Kern County Land Co. see under name				Toyo Soda Mfg. - acrylic plant slated	Dec	2	52		
Stauffer Chemical Co. - Carrageenan plant in South Portland, Me., acquired	R	July	8	20	Thiophthalimide as a mildew preventive in paints	N	Sept	23	49	Chloroprene unit and tetrahydrofuran plant under construction	R	Dec	16	39
Detergent phosphates have not been proved to be key factor in autophication says company	July	15	24	Tenneco Oil Corp. - Collins Pipelines see under name					Ethyl Toyo see under name					
Glass-fiber-reinforced tank made in one big piece	Aug	5	25	Natural gas pipeline system expansion	N	July	22	9	Nippon Polyurethane Industry see under name					
Heptanoic acid tariff may be imposed	N	Sept	2	14	Petro-Tex see under name				Toyobo - terephthalic acid plant at Mizushima, using Amoco technology	R	July	29	26	
Hoechst purchases 50% share in Stauffer Hoechst Polymer, new company called Hoechst Polymer	Dec	23	14	Plans to form an international consortium to dredge manganese-rich nodules from the ocean floor	N	Sept	2	17	Trail Chef - foods for campers	July	15	60		
Opportunities for growth seen in solving problems (chart)	Oct	14	49	Tennessee Eastern Transmission - two processes to make synthetic pipeline gas	N	Sept	16	68	Trans Canada Gas Products - Canadian NGL for U.S. approved	Sept	9	17		
Soda ash prices	N	Dec	16	45	Texaco - oil companies are intensifying efforts to improve their public image	Dec	2	19	Trans-Canada Pipe Lines - Canadian NGL for U.S. approved	Sept	9	17		
Sodium hypophosphite monohydrate and phosphoric anhydride prices	N	Nov	25-21	35	Texas Gas Utilities - gas-gathering system from western Texas gas reserves to Dallas	R	Sept	30	17	Natural gas exports to U.S. to be increased	N	Oct	7	37
Sodium sulfur chemicals prices	N	Sept	23	22	Udylite Corp. - chlorination method to remove cyanide ions from plating wastes	Dec	16	54	Partner in research project to find out feasibility of bringing natural gas from Alaska's North Slope and northern Canada to central Canada and U.S. Midwest	N	July	22	23	
Strike: Niagara Falls, N.Y. strike settlements	Sept	9	18						Transcontinental Gas Pipe Line - application filed to build major interstate gas line system in the newly developed areas off the Texas shore	N	Aug	19	18	
Stauffer Hoechst Polymer - American Hoechst purchases Stauffer's 50% share	Dec	23	14						Stock offering	R	Aug	26	18	
Charges bribery in union vote at Delaware City, Del., PVC film and sheeting plant	Dec	2	19						Tuberies y Materiales Plasticos - PVC pipe plant will be built with Japanese help	N	Aug	5	80	
Stauffer-Wacker - dimethyl silicon fluids									Turner & Newall - sales and earnings	N	Dec	9	12	

Ugine-Kuhlmann - acrylonitrile joint plant at Tarragona, Spain	R	Dec	2	52	promissory notes	R	July	8	20	claims off the label	Aug	12	10
Unions Soborn to produce brominated soil fumigants	R	Dec	16	42	Union Reinsche Braunkohlen - Parex plant at Wesseling, Germany	Aug	12	8	Nasal sprays: plans to ban 15 such combination drugs from the consumer market	Sept	2	28	
French chemical industry in position to challenge Europe's leaders (map, table)	Sept	9	57	Uniroyal Inc. - acquisition of Rumianca's interest in Italy's Naugast-Rumianca R Aug 12-13	R	Aug	12	16	Parke-Davis on mergers: "no" to Revlon; "yes" to Warner-Lambert	Aug	12	10	
Greek sulfuric acid plant will use Ugine process	R	Oct	7	43	Air pollution problems at Painesville, O., plant eliminated	N	Nov	18	37	Parke-Davis merger	N	Sept	2
Magnesium production to be upped	R	Oct	7	42	Cos'un polypropylene filter material - ACS meeting	Sept	23	46	Shift in ethical: fewer independents	N	Oct	14	
Merger with Pechiney, petrochemicals will probably be eased out N Sept 30-24	R	Oct	7	42	FTC will issue complaint against Big Five tire makers requiring an end to leasing arrangement with bus companies	N	Nov	11	Justice Dept. won't challenge the merger, but suggest FTC take a look at the deal	R	Nov	25	
Private consortium in nuclear fuel processing is shaping up	N	Nov	18	114	Flotation tires	N	Nov	8	Proteen ads fire feminist ire	R	Sept	2	
Reorganizing chemical operations; set up two new companies	Aug	5	84	Succinic anhydride will be produced at Geismar, La.	R	Dec	23	18	Williamson Candy Div. - O'Henry candy bars recalled because traces of potentially hazardous Salmonella bacteria found	Sept	30	17	
Soc. Technique d'Entreprise Chimiques' 1/3 interest sold to Kellogg another	N	July	22	33	Work force cutbacks Oct 14-23	Oct	28	20	Water Pollution Research & Application - Alcolac Chemical acquires additional shares	R	Aug	5	
Uhu Werke, H.U.M. Fischer - acquired by Beecham	R	Dec	16	42	Uni-Tech - acquired by J.T. Baker Chemical	Dec	23	18	Weatherly, D.M. Co. - low bidders for Army nitric acid plants	N	July	1	
Ultramar Chemical - supergase debuts: Oasangoing "Hawaii" can carry 16,000 tons	July	29	15	United Nuclear Corp. - uranium, processing, fabrication and fuel management for the Dresden nuclear station	Sept	16	21	Gets contract from Corps of Engineers	R	Aug	5		
Unilever - thermosetting resins technology licensed from Reichold	N	Nov	4	64	United Refining Co. - expects to keep growing at a faster rate than that of the industry as a whole	Dec	23	16	Wellington Tube Holding, Ltd. - acquisition of Allied's coke-oven building business	R	Sept	9	
Union Camp - Chemical Div.'s vp and general manager - His mission: double division sales by '75	Dec	2	56	U.S. Borax & Chemical Corp. - boron-based microbial additive, Biobor, kills bacteria in fuel oil tanks	Aug	5	53	Wellman-Lord - prototype unit to clean up tail gas	Sept	9	51		
Lineboard and corrugating medium paper prices	N	Sept	2	75	U.S. Composites Corp. - acquired by Radiation Technology	Sept	23	19	West Coast Transmission - natural gas exports to U.S. to be increased	N	Oct	7	
Pennwalt's Harchem Div. to be bought	N	Sept	9	9	USI Chemicals Co. (Natl. Distillers' Div.) - PE prices	Sept	16	24	West Point-Tupperell - Georgia seeking legal action to get W.P.P. moving on installation of pollution control equipment at Lindale, Ga. mill	R	Aug	12	
Tall oil fatty acid prices	N	Dec	23	40	Taiwan PE plants expansion	Oct	21	78	Wage increases	Sept	16	24	
Union Carbide - acrylic ester prices	N	Dec	2	35	U.S. Industries, Inc. - closing in on the top 10	Sept	16	65	Westfalianbank - BASF sells its 51% interest	R	Sept	2	
Anmoore, W.Va. removes ceiling on the company's tax payments	Dec	16	17	Type DC/F - nonasbestos alternator	Sept	16	62	Westhouse Electric Co. - electronic "gun detector" to help prevent airplane hijackings	Oct	7	17		
Arylamide and acetosuccinamide prices	N	Nov	18	99	U.S. Plywood-Champion Papers - strike ends after new three-year agreement	Oct	28	20	Heat Transfer Div.-mine water demineralization plant at Wilkes-Barre, Pa. to be built for Pennsylvania's Dept. of Mines	N	Oct	28	
Bigger payout to employees - letter Bisphenol A capacity at Penulas, Puerto Rico to be doubled	R	Sept	9	20	U.S. Smeting, Refining & Mining - shares of own common to be bought	July	8	9	Nuclear turbine plant ships the first major components	R	Aug	12	
Cleveland: Refrigerant gas makers are hauled up on conspiracy charges	Sept	9	17	U.S. Steel Corp. - coke ovens: a major source of coal-tar chemicals for years to come (charts)	Sept	2	21	Water desalting plant on the island of Malta under construction	R	Oct	14		
Coal shortage chills chemical profit hopes (chart)	Oct	21	21	Universal Oil Products - catalytic mufflers will save motorist money and contribute to lower air pollution levels	Oct	14	18	Weyerhaeuser - Kamloops Pulp & Paper Div. acquires B.C. Interior Sawmills	R	Dec	16		
Credit: revolving credit agreement with 23 banks renewed	R	Aug	19	27	Chicago will be first to try new catalytic converters on cars	Sept	16	25	Mercury suits	Aug	5	26	
Dimethyl silicone fluids and emulsions prices	N	Oct	14	28	Cumene technology for Japanese plant	R	Dec	12	Willcox & Gibbs - merger talks with Pantasote	N	July	1	
"DISC" plan: export now, pay income taxes later (table)	Aug	5	35	Isomax process for Japanese plant	R	Aug	16	40	Williams Brothers - Alaskan oil: ways to ship North Slope oil studied	Sept	2	23	
Earnings, third-quarter	Oct	14	13	Process Div. will distribute silicone anti-foams manufactured by GE	R	Nov	18	46	Wilson Pharmaceutical & Chemical - expansion program	N	Nov	4	
Epoxy plasticizers prices	N	Sept	2	75	Univex - caprolactam plant near Salamanca, Mexico	R	July	8	Windecker Research - plastic plane makes commercial debut	Oct	7	16	
EVA copolymer prices	N	July	1	27	Unijohn - antibiotic plant in Omaha, Neb.	R	Nov	25	Winley-Morris - acquired by International Chemical & Nuclear	R	Dec	9	
Ethylene derivative prices being adjusted	N	Sept	16	58	Upjohn - antibiotic plant in Omaha, Neb.	R	Nov	25	Winnebago Industries - polystyrene for RV market	July	15	56	
Fatty acid prices	N	Aug	12	21	Cleocin, semisynthetic antibiotic, being sold	Aug	19	26	Winterhall - Antwerp expansion	Nov	4	56	
Fluorocarbons 11, 12, and 22 prices	N	Nov	4	24	Nasal sprays: plans to ban 15 such combination drugs from the consumer market	Sept	2	28	Witco Chemical - explosions and fire at Amalie refinery in Franklin, Pa. July 1-16	N	Aug	12	
Glyoxal prices	N	Dec	2	35	Prostaglandin research program	Oct	28	45	Wizard - lead paint poisoning prompts a look into three bills to regulate the labeling and sale of such paints and help communities remove lead paint from old buildings	Sept	2	24	
Japan restricting operations in terms of size, licensing and other factors	July	8	34	Tetracycline case: federal court okays Orinase and Provest controversies: one in, one out	July	1	9	Woodall-Duckham - ethyl chloride plant for Associated Octel	R	Dec	16		
Japan's Komatsu will import U.C.'s Dynel and turn out about 200,000 hairpieces/month	Dec	2	20	Uranerzbergbau - Canada: uranium mining complex will be built in northern Saskatchewan	Aug	26	11	Wyandotte Cement - newly formed company will buy cement plant of Wyandotte Chemicals	R	Oct	28		
Jet fuel anti-icing additive prices	N	Sept	23	22	Processing installation at Lake Wollaston, Sask., okayed	Sept	9	16	Wyandotte Chemicals - BASF's U.S. operations may be consolidated	N	July	15	
Linde Div. - Oxygen producers zero on waste treatment (chart)	Nov	18	95	Utility Products - acquired by Camp Chemical Co.	Dec	9	29	Cement plant will be sold to Wyandotte Cement	R	Oct	28		
Linde Div. - Union system will be tested for oxygenation for waste treatment in NYC's Newtown Creek plant	N	July	22	33	Counting on performance chemicals for 20%/year growth	Dec	16	63	Ohio suing over mercury discharge into Lake Erie	Oct	21	25	
Sludge treatment chosen by New Jersey's Middlesex authority	N	Oct	7	48	Process for recovering mercury in waste streams	Dec	16	59	Puragard 601 enters flame-retardant urethane insulation competition	N	Oct	28	
Marietta, Ohio plant: stack gas scrubbing system to meet emission limits for power station	N	July	29	33	Vereinigte Aluminium-Werke - aluminum oxide plant near Stade, Germany	R	July	22	Strike: Geismar, La., plant employees charged with beating two supervisors, fired; union demands they be reinstated as a condition for settling the 3-month-old strike	Sept	9	18	
Vienna, W. Va. charges pollution from SO emissions from Marietta plant	Dec	9	11	Verona Dystuffs - Thiel, Guntler describes the development of a new group of modified cationic dyestuffs at AATCC conference	Nov	11	23	Strike at Geismar, La., plant	July	8	19		
Monomethyl ethers of ethylene glycol and diethylene glycol prices	N	Sept	23	22	Vick Chemical - Lavior: mouthwash makers change formulas in wake of FDA crackdown	Aug	19	24	Wyandotte Industries - merger with First Hartford Realty	R	Aug	26	
Moscow show chalks up \$2 million in sales	Sept	30	26	Counting on performance chemicals for 20%/year growth	Dec	16	63	Wyeth Corp. - Oral lawsuit	N	Dec	16	9	
Oil and gas holdings: may be spun off	N	Nov	11	14	Verone Dystuffs - Thiel, Guntler describes the development of a new group of modified cationic dyestuffs at AATCC conference	Nov	11	23	Wyeth Laboratories - Prostaglandin research program	Oct	28	45	
Olefins Div. takes steps to prevent another olefin fire	Sept	23	18	Vick Chemical - Lavior: mouthwash makers change formulas in wake of FDA crackdown	Aug	19	24	Yacimientos Petroliferos Fiscales - aromatics project goes ahead	N	July	8	32	
Paint latex plant at Alsip, Ill. under construction	N	Oct	28	13	Vickers-Zimmer - Nylon-6 tire plant in India	R	Aug	12	Yoo-Hoo - Chilean high-protein beverage plant in Santiago onstream	R	Dec	16	18
Phenol: special prices withdrawn	N	Sept	16	58	Viskosa-Loznica - Du Pont will provide manufacturing technology and technical assistance for the production of cellulose film	N	Nov	25	Zenkoren - Japan to push prefabs: series of agricultural communities envisioned	Nov	18	74	
Phthalate plasticizers prices N Sept 23-22	N	Dec	9	41	Vos - East Germany orders ethylene plant	N	Aug	5	Zocon Corp. - Syntex sets up separate company to pursue work on hormones for insect control	Aug	19	98	
Plastic litter: studying the development of "biodegradable" plastic packaging	Sept	9	15	Vulcan - technology for Hawkeye Chemical's urea expansion	N	Nov	18	114					
PE: low-density, film and resin prices N July 22-24, N, Sept 2-7, Sept 16-24 N Nov 4-24	N	Dec	9	41	Warf Institute, Inc. - study of the effectiveness of detergents and disinfectants in killing bacteria and viruses will be carried out	N	July	1					
Polyisofone resin prices	N	July	22	24	Warner-Lambert - mouthwash: will "defend" its Listerine brand against any FDA effort to get the germicidal	N	July	1					
Rhodesia's chrome ore problem may be eased	N	July	1	10									
Savin replaces DDT in battle against gypsy moths	July	22	29										
Surfactant Tergitol prices	N	Nov	25	21									
Thornel graphite yarn for Intrepid's spinnaker pole	Sept	9	48										
Wulff plants still working well	N	Oct	7	48									
Union Carbide Canada Ltd. - Canadian profits up	Aug	12	16										
Economy slump stunts Canadian chemical growth (tables)	Nov	25	33										
Union Chimique Belge (UCB) - SPC: new contender for detergent markets emerging in Europe	N	Nov	25	27									
Union Chimique Elf Aquitaine - Cie de Petrochimie see under name	Sept	9	57										
Joint-venture projects	Sept	9	57										
Union de Explosivos Rio Tinto - ethylene plant at Tarragona	N	Nov	18	73									
Union Oil Co. of California - contracts for the conversion of the geysers area of northern Calif. into world's largest source of electrical energy generated by geothermal steam	July	29	16										
Debuter marketed to help prepay													

